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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 70025

MSDS #: 70025  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA PACIFIC FILLER™  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR FILLER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
LIMESTONE	1317-65-3	60-70%	10 mg/m3	15 mg/m3	N/A

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 30      **DENSITY:** 13.3 LBS/GAL (1.60KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS** Brown, viscous material with mild latex odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** N/A - Non-Flammable

**FLASH POINT:** N/A

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** N/A - Will Not Burn

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

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# Bona®

MSDS #: 70025

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation. In case of contact, flush eyes with large amounts of water.

**SKIN CONTACT:** May cause irritation. In case of contact, wash area with soap and water.

**INHALATION:** Though exposure to product in liquid form is not expected to pose a health hazard, sanding of dried product may create a nuisance dust which may cause irritation of respiratory system. Repeated exposure to dust may aggravate existing respiratory conditions or cause lung damage. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation. If ingested, do NOT induce vomiting. Drink 1 or 2 glasses of water to dilute. Obtain medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation (in dust form).

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** This product contains small amounts of crystalline silica as an impurity. Crystalline silica has been reviewed by IARC, which has found limited evidence for pulmonary carcinogenicity in humans. Risk to your health depends on level and duration of exposure. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Acids

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Liquid material may be returned to container. Dried material should be swept or scraped up and disposed of.

**WASTE DISPOSAL:** Dried material should be disposed of in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** When sanding dried product, a NIOSH/MSHA-approved dust mask or respirator should be worn to maintain exposure to dust below TLV.

**VENTILATION:** Use adequate mechanical (general and/or local) ventilation to maintain exposure to dust below TLV.

# Material Safety Data Sheet

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MSDS #: 70025

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Safety glasses or chemical splash goggles may be worn if needed. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 64020

MSDS #: 64020  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 8/15/2002

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** DRIFAST™ QUICK DRY STAIN (WHITE)  
**PRODUCT DESCRIPTION:** SOLVENT BASED STAIN FOR BARE WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
ALUMINUM OXIDE	1344-28-1	<2%	N/E	N/E	
AMORPHOUS SILICA	7631-86-9	<2%	N/E	80 mg/m3	N/E
PETROLEUM DISTILLATES, LIGHT	64742-47-8	20-25	N/E	500 PPM	2.00 @ 20C
STODDARD SOLVENT	8052-41-3	25-30	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-320F (149-160C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 45-55      **DENSITY:** 8.79 LBS/GAL (1.05KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Thin liquid with solvent odor. Color varies with product.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 103F (39C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 6.00      **(Lower):** 1.0 (for Stoddard Solvent)

**EXTINGUISHING MEDIA:** Foam, Carbon Dioxide, Dry Chemical. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona<sup>®</sup>

MSDS #: 64020

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** May cause irritation, burning, redness and tearing. In case of contact, flush immediately with large amounts of water for at least 15 minutes, holding eyelids apart. Obtain medical attention.
- SKIN CONTACT:** May cause irritation. Prolonged or repeated contact may cause drying and defatting of the skin. In case of contact, remove contaminated clothing, and wash area with soap and water. If irritation persists, consult a physician.
- INHALATION:** Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. If you experience these symptoms, increase fresh air, wear respiratory protection (see Section VIII below), or leave the area. Consult a physician if symptoms persist.
- INGESTION:** HARMFUL OR FATAL IF SWALLOWED. May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product may contain the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product may contain the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** This product contains trace amounts of cobalt compounds, which have been classified as a possible human carcinogen by IARC. Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 64020

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 64010

MSDS #: 64010  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/1/2002

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** DRIFAST™ QUICK DRY STAIN (WOOD TONES)  
**PRODUCT DESCRIPTION:** SOLVENT BASED STAIN FOR BARE WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
CARBON BLACK	1333-86-4	< 2	3.5 mg/m3	3.5 mg/m3	NA
IRON OXIDE	1309-37-1	< 3	5 mg/m3	10 mg/m3	NA
PETROLEUM DISTILLATES, LIGHT	64742-47-8	15-25	N/E	500 PPM	2.00 @ 20C
STODDARD SOLVENT	8052-41-3	35-45	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-320F (149-160C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 60-64      **DENSITY:** 7.29 LBS/GAL (0.87KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Thin liquid with solvent odor. Color varies with product.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 103F (39C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 6.00      **(Lower):** 1.0 (for Stoddard Solvent)

**EXTINGUISHING MEDIA:** Foam, Carbon Dioxide, Dry Chemical. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 64010

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** May cause irritation, burning, redness and tearing. In case of contact, flush immediately with large amounts of water for at least 15 minutes, holding eyelids apart. Obtain medical attention.
- SKIN CONTACT:** May cause irritation. Prolonged or repeated contact may cause drying and defatting of the skin. In case of contact, remove contaminated clothing, and wash area with soap and water. If irritation persists, consult a physician.
- INHALATION:** Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. If you experience these symptoms, increase fresh air, wear respiratory protection (see Section VIII below), or leave the area. Consult a physician if symptoms persist.
- INGESTION:** HARMFUL OR FATAL IF SWALLOWED. May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product may contain the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product may contain the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** This product contains trace amounts of cobalt compounds and carbon black, which have been classified as a possible human carcinogen by IARC. Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 64010

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

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4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80100

MSDS #: 80100

DATE OF PREPARATION: 3/31/2009  
LAST REVISION DATE: 3/31/2009

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA NOVIA™ (GLOSS, SEMI-GLOSS, SATIN)

**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	2.5-10%	100 PPM	100 PPM	0.55 @ 25C
DIPROPYLENE GLYCOL N-BUTYL ETHER	29911-28-2	1-2.5%	N/E	N/E	0.06 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)

**EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 69

**DENSITY:** 8.70 LBS/GAL (1.04KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** White, milky liquid with sweet acrylic odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None.

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80100

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80100

- EYE PROTECTION:** Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
- OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.
- HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80450

MSDS #: 80450  
DATE OF PREPARATION: 12/15/2008  
LAST REVISION DATE: 12/15/2008

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA AMBERSEAL™  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR SANDING SEALER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	1-2.5%	N/E	N/E	0.7 @ 20C
PROPYLENE GLYCOL	57-55-6	1-2.5%	N/E	N/E	0.3 mbar @25

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-butyl acetate  
**% VOLATILE - WT:** 68      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** Amber, opaque liquid with slightly sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build -up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80450

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

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24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80450

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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N/E = Not Established

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OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80400

MSDS #: 80400  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 5/31/2007

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA DTST<sup>TM</sup>

**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR SANDING SEALER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PROPYLENE BASED GLYCOL ETHER	PROPRIETARY	2.5-10%	N/E	N/E	0.7 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)

**EVAPORATION RATE:** Slower than n-butyl acetate

**% VOLATILE - WT:** 68

**DENSITY:** 8.66 LBS/GAL (1.04KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS** White, milky liquid with slightly sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build -up.

# Material Safety Data Sheet

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1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80400

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80400

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
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N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80500

MSDS #: 80500  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 12/29/2005

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA BONASEAL®  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR SEALER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	<5%	100 PPM	100 PPM	0.55 @ 25C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-butyl acetate  
**% VOLATILE - WT:** 63      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS** White, milky liquid with slightly sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build -up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80500

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80500

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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ACGIH = American Conference of Governmental Industrial Hygienists

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NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80350

MSDS #: 80350  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/20/2007

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: BONA NATURALE™ (COMMERCIAL MATTE)

PRODUCT DESCRIPTION: WATERBORNE WOOD FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	2.5-10%	100 PPM	100 PPM	0.55 @ 25C

### SECTION III - PHYSICAL DATA

BOILING RANGE: >212F (100C)

EVAPORATION RATE: Slower than n-butyl acetate

% VOLATILE - WT: 67

DENSITY: 8.66 LBS/GAL (1.04KG/L)

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: Miscible

PRODUCT CHARACTERISTICS White, milky liquid with a slight solvent odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: Non-Flammable

FLASH POINT: None

% OF VOL. OF FLAMMABLE LIMITS (Upper): N/A

(Lower): N/A

EXTINGUISHING MEDIA: Water Spray, Foam, Carbon Dioxide, Dry Chemical

UNUSUAL FIRE EXPLOSION HAZARDS: Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80350

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80350

- EYE PROTECTION:** Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
- OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.
- HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80355

MSDS #: 80355  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/5/2007

## HMIS Ratings:

HEALTH: 2  
FLAMMABILITY: 2  
REACTIVITY: 1  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA NATURALE™ UNIVERSAL HARDENER

**PRODUCT DESCRIPTION:** WOOD FLOOR FINISH HARDENER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
ALIPHATIC POLYISOCYANATE	---	50-75%	N/E	N/E	
DIPROPYLENE GLYCOL DIMETHYL ETHER	111109-77-4	25-50%	N/E	N/E	0.7 @ 20C
HEXAMETHYLENE-1,3-DIISOCYANATE	822-06-0	<0.15%	0.005 PPM		

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)

**EVAPORATION RATE:** Slower than n-butyl acetate

**% VOLATILE - WT:** 35

**DENSITY:** 8.78 LBS/GAL (1.06KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Not soluble

**PRODUCT CHARACTERISTICS** Colorless, slightly viscous liquid with solvent odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class IIIA

**FLASH POINT:** 148F (64C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80355

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying and/or sensitization of the skin. In case of contact, remove contaminated clothing. Wash area with soap and water. Seek medical attention if irritation, rash or other symptoms persist.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. This preparation may cause acute irritation and/or sensitization of the respiratory system. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will react with water but not violently.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.  
Empty container precautions: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal by adding water to the one-quart line. Recap. Shake vigorously. Dispose of.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

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MSDS #: 80355

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80307

MSDS #: 80307  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 3/28/2006

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA TRAFFIC® (COMMERCIAL SEMI-GLOSS, COMMERCIAL SATIN)  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	2.5-10%	100 PPM	100 PPM	0.55 @ 25C
2,6,8-TRIMETHYL-4-NONYLPOLYETHYLENE GLYCOL ETHER	60828-78-6	1-2.5%	NE	NE	<0.01 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-butyl acetate  
**% VOLATILE - WT:** 66      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS** White, milky liquid with a slight ammonia odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

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# Bona®

MSDS #: 80307

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

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# Bona®

MSDS #: 80307

- EYE PROTECTION:** Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
- OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.
- HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80309

MSDS #: 80309

DATE OF PREPARATION: 1/15/2009  
LAST REVISION DATE: 1/15/2009

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA TRAFFIC® ANTI-SLIP SATIN  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	2.5-10%	100 PPM	100 PPM	0.55 @ 25C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-butyl acetate  
**% VOLATILE - WT:** 66      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS:** White, milky liquid with a slight ammonia odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80309

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80309

- EYE PROTECTION:** Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
- OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.
- HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80320

MSDS #: 80320

DATE OF PREPARATION: 9/2/2008

LAST REVISION DATE: 12/29/2005

## HMIS Ratings:

HEALTH: 2  
FLAMMABILITY: 2  
REACTIVITY: 1  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA TRAFFIC® UNIVERSAL HARDENER

**PRODUCT DESCRIPTION:** WOOD FLOOR FINISH HARDENER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
ALIPHATIC POLYISOCYANATE	---	50-75%	N/E	N/E	
DIPROPYLENE GLYCOL DIMETHYL ETHER	111109-77-4	25-50%	N/E	N/E	0.7 @ 20C
HEXAMETHYLENE-1,3-DIISOCYANATE	822-06-0	<0.15%	0.005 PPM		

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)

**EVAPORATION RATE:** Slower than n-butyl acetate

**% VOLATILE - WT:** 35

**DENSITY:** 8.78 LBS/GAL (1.06KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Not soluble

**PRODUCT CHARACTERISTICS** Colorless, slightly viscous liquid with solvent odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class IIIA

**FLASH POINT:** 148F (64C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80320

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying and/or sensitization of the skin. In case of contact, remove contaminated clothing. Wash area with soap and water. Seek medical attention if irritation, rash or other symptoms persist.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

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## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will react with water but not violently.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.  
Empty container precautions: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal by adding water to the one-quart line. Recap. Shake vigorously. Dispose of.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80320

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80310

MSDS #: 80310

DATE OF PREPARATION: 5/17/2011

LAST REVISION DATE: 5/17/2011

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA TRAFFIC® HD (COMMERCIAL SEMI-GLOSS, COMMERCIAL SATIN, COMMERCIAL GLOSS)  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
NONE	---	---	---	---	---

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-butyl acetate  
**% VOLATILE - WT:** 66      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS:** White, milky liquid with a slight ammonia odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

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MSDS #: 80310

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

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MSDS #: 80310

- EYE PROTECTION:** Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
- OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.
- HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80325

MSDS #: 80325

DATE OF PREPARATION: 5/17/2011

LAST REVISION DATE: 5/17/2011

## HMIS Ratings:

HEALTH: 2  
FLAMMABILITY: 0  
REACTIVITY: 1  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA TRAFFIC® HD HARDENER

**PRODUCT DESCRIPTION:** WOOD FLOOR FINISH HARDENER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
ALIPHATIC POLYISOCYANATE	---	50-75%	N/E	N/E	
ORGANIC SOLVENT	---	25-50%	N/E	N/E	

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)

**EVAPORATION RATE:** Slower than n-butyl acetate

**% VOLATILE - WT:** 35

**DENSITY:** 8.77 LBS/GAL (1.05KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Not soluble

**PRODUCT CHARACTERISTICS:** Colorless, slightly viscous liquid with mild odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class IIIB

**FLASH POINT:** >250F (121C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build-up. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

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MSDS #: 80325

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying and/or sensitization of the skin. In case of contact, remove contaminated clothing. Wash area with soap and water. Seek medical attention if irritation, rash or other symptoms persist.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. This preparation may cause acute irritation and/or sensitization of the respiratory system. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will react with water but not violently.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.  
Empty container precautions: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal by adding water to the one-quart line. Recap. Shake vigorously. Dispose of.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

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MSDS #: 80325

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
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- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80070

MSDS #: 80070  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 9/5/2007

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA MEGA® (GLOSS/SEMI-GLOSS/SATIN)

**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PROPYLENE BASED GLYCOL ETHER	Tr. Secret	<5%	N/E	N/E	0.7 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 72      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)

**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS** White, milky liquid with sweet acrylic odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

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24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80070

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California (Proposition 65) to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** N/E

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

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24-Hour Emergency Telephone Number

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# Bona®

MSDS #: 80070

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80075

MSDS #: 80075

DATE OF PREPARATION: 12/9/2009

LAST REVISION DATE: 12/9/2009

## HMIS Ratings:

HEALTH: 3  
FLAMMABILITY: 2  
REACTIVITY: 1  
PROTECTION: J

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA MEGA BOOSTER™

**PRODUCT DESCRIPTION:** POLYFUNCTIONAL AZIRIDINE PROPERTY ENHANCER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE	112-15-2	10-25%	N/E	N/E	0.05 @ 20C
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	50-75%	100 PPM	100 PPM	0.55 @ 25C
POLYFUNCTIONAL AZIRIDINE	64265-57-2	10-25%	N/E	N/E	N/E

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** N/E

**EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 80-90%

**DENSITY:** 8.16 LBS/GAL (0.98KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** Thin, clear to amber liquid with solvent odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class IIIA

**FLASH POINT:** 175F (79C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/E

**(Lower):** N/E

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

#### UNUSUAL FIRE EXPLOSION HAZARDS:

Material in itself is normally stable, but may become unstable at elevated temperatures and pressures, or may react with water with some release of energy, but not violently.

#### SPECIAL FIREFIGHTING PROCEDURES:

Water may be used to cool closed containers to prevent pressure build-up. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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# Bona®

MSDS #: 80075

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Corrosive to eyes; causes eye burns. In case of contact, flush immediately with large amounts of water and obtain medical attention.
- SKIN CONTACT:** Prolonged or repeated contact may cause sensitization. Sensitizer for allergic persons. In case of contact, remove contaminated clothing. Wash area with soap and water. If irritation persists, consult a physician.
- INHALATION:** Breathing mist may cause lung damage and/or allergic reaction. If affected by inhalation, remove to fresh air. Consult a physician.
- INGESTION:** Harmful if swallowed. If swallowed, do NOT induce vomiting. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Dermal, Eye Contact, Inhalation
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: Diethylene Glycol Monoethyl Ether Acetate. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** LD50 Oral-rat: 3038 mg/kg. Skin irritation-rabbit: not a primary irritant, but severely irritating to abraded skin. Eye irritation-rabbit: positive. Corrosive effects observed, lasting beyond two weeks. Carcinogenicity: because of the positive mutagenic test and carcinogenic effects of lower molecular weight aziridine compounds, this product should be handled with due care.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion - e.g.. Carbon Monoxide, Carbon Dioxide
- HAZARDOUS POLYMERIZATION:** May Occur (if mixed with acidic materials)
- INCOMPATIBILITY (MATERIALS TO AVOID):** Acidic Materials, Anhydrides and Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Before attempting clean-up, refer to hazard caution information in other sections of this sheet. Decontaminate with diluted aqueous ammonium thiosulfate. Remove with inert absorbent. Flush remaining material with water.
- WASTE DISPOSAL:** Dispose in accordance with local, state/provincial, and federal regulations. Incinerate in approved facility. Do not incinerate in closed containers. While discarded product is not a hazardous waste under RCRA Regulations (40CFR 261), untreated material should not be released to the environment.
- SHIPPING INFORMATION:** Not Classified as a DOT hazardous material.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** Any person who may be exposed to this material in its pure form, in the form of an aerosol or mist from spray operations, shall, at a minimum, wear a NIOSH-approved, category 21c respirator, excluding single use or disposable types, in accordance with 30 CFR 11.130 Subpart K. The respirator shall be equipped with high efficiency particulate filters for maximum protection, unless an air supplied respirator is selected. Use of this respirator

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# Bona®

MSDS #: 80075

shall be according to OSHA and MSHA Regulations at 29 CFR 1910.134 and 30 CFR 11, respectively. If a full-face type respirator is selected and worn, the chemical safety goggles requirement is waived during spray operations.

**VENTILATION:**

Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

**PROTECTIVE GLOVES:**

Neoprene, Pioneer's Stanzoil or equivalent.

**EYE PROTECTION:**

Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.

**OTHER PROTECTIVE EQUIPMENT:**

Wear impervious clothing to avoid repeated or prolonged skin contact.

**HYGIENIC PRACTICES:**

Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing. Discard contaminated shoes. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposures.

## SECTION IX - MISCELLANEOUS

Store in tightly closed, properly vented containers in a cool, dry place. Do not puncture containers or expose product to moisture. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

**KEY CODE**

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 90007

MSDS #: 90007  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** DRIFAST™ QUICK DRY SEALER  
**PRODUCT DESCRIPTION:** SOLVENT BASED QUICK DRY/SANDING SEALER FOR BARE WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
STODDARD SOLVENT	8052-41-3	61-64	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-320F (149-160C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 63      **DENSITY:** 7.29 LBS/GAL (0.87KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Thin liquid with solvent odor. Color varies with product.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II  
**FLASH POINT:** 103F (39C) PMCC  
**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 6.00      **(Lower):** 1.0 (for Stoddard Solvent)  
**EXTINGUISHING MEDIA:** Foam, Carbon Dioxide, Dry Chemical. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

**UNUSUAL FIRE EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90007

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** May cause irritation, burning, redness and tearing. In case of contact, flush immediately with large amounts of water for at least 15 minutes, holding eyelids apart. Obtain medical attention.
- SKIN CONTACT:** May cause irritation. Prolonged or repeated contact may cause drying and defatting of the skin. In case of contact, remove contaminated clothing, and wash area with soap and water. If irritation persists, consult a physician.
- INHALATION:** Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. If you experience these symptoms, increase fresh air, wear respiratory protection (see Section VIII below), or leave the area. Consult a physician if symptoms persist.
- INGESTION:** HARMFUL OR FATAL IF SWALLOWED. May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product may contain the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product may contain the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** This product contains trace amounts of cobalt compounds, which have been classified as a possible human carcinogen by IARC. Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90007

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 90050

MSDS #: 90050  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** WOODLINE® POLYURETHANE (SATIN)  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
AMORPHOUS SILICA	7631-86-9	<2%	N/E	80 mg/m3	N/E
PETROLEUM DISTILLATES - LIGHT	64742-47-8	60%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 57      **DENSITY:** 7.42 LBS/GAL (0.89KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 103F (39C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90050

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause moderate irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Overexposure to ingredients in this product may cause nasal and respiratory irritation, dizziness, headache and nausea. If affected by inhalation of vapor or spray mist, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90050

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90066

MSDS #: 90066  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** WOODLINE® POLYURETHANE (SEMI-GLOSS)  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PETROLEUM DISTILLATES - LIGHT	64742-47-8	60%	N/E	500 PPM	2.00@20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 56      **DENSITY:** 7.34 LBS/GAL (0.88KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble  
**PRODUCT CHARACTERISTICS:** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II  
**FLASH POINT:** 103F (39C) PMCC  
**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00  
**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 90066

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause irritation, redness and tearing. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause moderate irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Overexposure to ingredients in this product may cause nasal and respiratory irritation, dizziness, headache and nausea. If affected by inhalation of vapor or spray mist, remove to fresh air. Consult a physician.
- INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90066

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 90010

MSDS #: 90010  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** WOODLINE® POLYURETHANE (GLOSS)  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PETROLEUM DISTILLATES - LIGHT	64742-47-8	60%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 56      **DENSITY:** 7.26 LBS/GAL (0.87KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble  
**PRODUCT CHARACTERISTICS:** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II  
**FLASH POINT:** 110F (43C) PMCC  
**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00  
**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90010

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

**SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.

**INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.

**PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 90010

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91093

MSDS #: 91093  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 12/28/2005

**HMIS Ratings:**  
HEALTH: 2  
FLAMMABILITY: 2  
REACTIVITY: 0  
PROTECTION: G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** WOODLINE® 350 POLYURETHANE (SEMI-GLOSS/SATIN)

**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
AMORPHOUS SILICA	112945-52-5	<5%	10 mg/m3	N/E	NA
LINSEED OIL	8001-26-1	<10%	N/E	N/E	N/E
OCTAMETHYLCYCLOTETRAILOXANE	556-67-2	10-15%	NE	NE	0.12@25C
PETROLEUM DISTILLATES - LIGHT	64742-47-8	15-20%	N/E	500 PPM	2.00 @ 20C
STODDARD SOLVENT	8052-41-3	10-15%	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 47      **DENSITY:** 7.83LBS/GAL (0.94KG/L)

**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 104F (43C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91093

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** Use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91093

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Recommended TLV level for CAS # 556-67-2 is 10 ppm. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

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2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91092

MSDS #: 91092  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 6/15/2005

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** WOODLINE® 350 POLYURETHANE (GLOSS)  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
LINSEED OIL	8001-26-1	<10%	N/E	N/E	N/E
OCTAMETHYLCYCLOTETRAILOXANE	556-67-2	10-15%	NE	NE	0.12@25C
PETROLEUM DISTILLATES - LIGHT	64742-47-8	15-20%	N/E	500 PPM	2.00 @ 20C
STODDARD SOLVENT	8052-41-3	10-15%	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 47      **DENSITY:** 7.87LBS/GAL (0.95KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 104F (43C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91092

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** Use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

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1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91092

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Recommended TLV level for CAS # 556-67-2 is 10 ppm. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

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OSHA = Occupational Safety and Health Administration

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 10007

MSDS #: 10007  
DATE OF PREPARATION: 9/8/2008  
LAST REVISION DATE: 12/29/2005

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA PREP™  
**PRODUCT DESCRIPTION:** WATERBORNE RECOAT ADHESION SYSTEM

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	<1.0%	100 PPM	100 PPM	0.55 @ 25C
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	<1.0%	25 PPM	50 PPM	0.88 @ 25C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** >99      **DENSITY:** 8.32 LBS/GAL (1.01KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Soluble

**PRODUCT CHARACTERISTICS** Amber, water-thin liquid with slightly sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 10007

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness, and tearing. In case of contact, flush immediately with large amounts of water. If irritation persists, obtain medical attention.

**SKIN CONTACT:** Cleaning agent has a degreasing effect on skin. In case of contact, wash area with soap and water.

**INHALATION:** If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** None known

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** No special procedures required.

**WASTE DISPOSAL:** Contaminated absorbent should be disposed of in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Not necessary under normal conditions of use.

**EYE PROTECTION:** Not necessary under normal conditions of use. Avoid eye contact. If eye contact occurs,

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# Bona®

MSDS #: 10007

see Health Hazard Data and First Aid Procedures.

**OTHER PROTECTIVE EQUIPMENT:**

Not necessary under normal conditions of use.

**HYGIENIC PRACTICES:**

Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 13015

MSDS #: 13015

DATE OF PREPARATION: 5/13/2011  
LAST REVISION DATE: 5/13/2011

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA RINSE

**PRODUCT DESCRIPTION:** WATERBORNE RINSEATE FOR AUTOSCRUBBER USE

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	1-2.5%	N/E	N/E	0.02 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)

**EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 99

**DENSITY:** 8.33 LBS/GALB (1.0KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** Green liquid with non-offending odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None.

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 13015

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness, and tearing. In case of contact, flush immediately with large amounts of water. If irritation persists, obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause irritation or dermatitis. In case of contact, wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause respiratory irritation. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: Diethylene Glycol Monobutyl Ether and Phenoxyethanol. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion - e.g., Carbon Monoxide, Carbon Dioxide

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Acids and Oxidizing Agents

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)



MSDS #: 13015

**EYE PROTECTION:** Use OSHA-permitted safety glasses. Have an eyewash station available.

**OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.

**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 13010

MSDS #: 13010  
DATE OF PREPARATION: 5/11/2011  
LAST REVISION DATE: 5/11/2011

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA REMOVER  
**PRODUCT DESCRIPTION:** WATERBORNE STRIPPER FOR AUTOSCRUBBER USE

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	1-2.5%	N/E	N/E	0.02 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 98      **DENSITY:** 9.35 LBS/GALB (1.1KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** Beige liquid with non-offending odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None.

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 13010

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness, and tearing. In case of contact, flush immediately with large amounts of water. If irritation persists, obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause irritation or dermatitis. In case of contact, wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause respiratory irritation. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: Diethylene Glycol Monobutyl Ether and Phenoxyethanol. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion - e.g., Carbon Monoxide, Carbon Dioxide

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Acids and Oxidizing Agents

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 13010

**EYE PROTECTION:** Use OSHA-permitted safety glasses. Have an eyewash station available.

**OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.

**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 11002

MSDS #: 11002  
DATE OF PREPARATION: 7/9/2009  
LAST REVISION DATE: 7/9/2009

## HMIS Ratings:

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: -

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA® SPORT & COMMERCIAL CLEANER CONCENTRATE  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR CLEANER FOR SPORT AND COMMERCIAL FLOORS

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
NONE	---	---	---	---	---

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** >95      **DENSITY:** 8.38 LBS/GAL (1.00KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS:** Purple, water-thin liquid with mild, sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable  
**FLASH POINT:** None  
**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A  
**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical  
**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.  
**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 11002

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** No adverse effects expected under typical use conditions.

**SKIN CONTACT:** No adverse effects expected under typical use conditions.

**INHALATION:** No adverse effects expected under typical use conditions.

**INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute.

**PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. Not an eye irritant or dermal irritant; non-toxic by oral ingestion and inhalation under FHSA/CPSC guidelines.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** None Known

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** No special procedures required.

**WASTE DISPOSAL:** Contaminated absorbent should be disposed of in accordance with local, state and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** Not necessary under normal use conditions

**VENTILATION:** Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.

**PROTECTIVE GLOVES:** Not necessary under normal use conditions.

**EYE PROTECTION:** Not necessary under normal use conditions.

**OTHER PROTECTIVE EQUIPMENT:** Not necessary.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 23100

MSDS #: 23100  
DATE OF PREPARATION: 4/1/2010  
LAST REVISION DATE: 4/1/2010

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORTIVE™ FINISH  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD SPORT FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	0-1%	100 PPM	100 PPM	0.55 @ 25C
PROPYLENE BASED GLYCOL ETHER	PROPRIETARY	2.5-10%	N/E	N/E	0.7 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 68      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** White, milky liquid with sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 23100

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California (Proposition 65) to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** N/E

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 23100

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

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2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)



MSDS #: 11002

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**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 23110

MSDS #: 23110  
DATE OF PREPARATION: 1/13/2011  
LAST REVISION DATE: 1/13/2011

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORTIVE 1K™ FINISH  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD SPORT FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	0-1%	100 PPM	100 PPM	0.55 @ 25C
PROPYLENE BASED GLYCOL ETHER	PROPRIETARY	2.5-10%	N/E	N/E	0.7 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 68      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** White, milky liquid with sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 23110

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California (Proposition 65) to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** N/E

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 23110

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 80510

MSDS #: 80510  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 12/29/2005

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® SUPERSPORT™ SEAL  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD SPORT FLOOR SEALER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	<5%	100 PPM	100 PPM	0.55 @ 25C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-butyl acetate  
**% VOLATILE - WT:** 65      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS** White, milky liquid with slightly sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool containers to prevent pressure build -up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 80510

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

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MSDS #: 80510

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 23011

MSDS #: 23011  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 12/29/2005

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONASPORT® SUPERSPORT™  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD SPORT FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	<5%	100 PPM	100 PPM	0.55 @ 25C
DIPROPYLENE GLYCOL N-BUTYL ETHER	29911-28-2	<5%	N/E	N/E	0.06 @ 20C
N-METHYL-2-PYRROLIDONE	872-50-4	<5%	N/E	N/E	1.00 @ 25C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 72      **DENSITY:** 8.52 LBS/GAL (1.02KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS** White, milky liquid with sweet acrylic odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None.

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

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1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 23011

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: N-Methyl-2-pyrrolidone. This product contains the following chemical(s) which are known to the state of California to cause birth defects or other reproductive harm: N-Methyl-2-pyrrolidone.

**TOXICITY INFO:** N/E

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

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# Bona®

MSDS #: 23011

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 23025

MSDS #: 23025  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 7/17/2006

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONASPORT® SUPERSPORT™ ONE  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD SPORT FLOOR FINISH

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PROPYLENE BASED GLYCOL ETHER	PROPRIETARY	<5%	N/E	N/E	0.7 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 72      **DENSITY:** 8.66 LBS/GAL (1.04KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS:** White, milky liquid with sweet acrylic odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 23025

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause drying of skin. In case of contact, remove contaminated clothing. Wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California (Proposition 65) to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** N/E

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 23025

<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91083

MSDS #: 91083  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 1/15/2004

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® SPORT SEAL  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE SEALER FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PETROLEUM DISTILLATES - LIGHT	64742-47-8	65%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 64      **DENSITY:** 7.19 LBS/GAL (0.86KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble  
**PRODUCT CHARACTERISTICS:** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II  
**FLASH POINT:** 110F (43C) PMCC  
**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00  
**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91083

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

**SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.

**INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.

**PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91083

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91087

MSDS #: 91087  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 11/10/2004

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® DRIFAST™ SPORT SEAL  
**PRODUCT DESCRIPTION:** QUICK DRY/SANDING SEALER FOR SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
STODDARD SOLVENT	8052-41-3	61-64	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-320F (149-160C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 63      **DENSITY:** 7.29 LBS/GAL (0.87KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Thin liquid with solvent odor. Color varies with product.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 103F (39C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 6.00      **(Lower):** 1.0 (for Stoddard Solvent)

**EXTINGUISHING MEDIA:** Foam, Carbon Dioxide, Dry Chemical. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

**UNUSUAL FIRE EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91087

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** May cause irritation, burning, redness and tearing. In case of contact, flush immediately with large amounts of water for at least 15 minutes, holding eyelids apart. Obtain medical attention.
- SKIN CONTACT:** May cause irritation. Prolonged or repeated contact may cause drying and defatting of the skin. In case of contact, remove contaminated clothing, and wash area with soap and water. If irritation persists, consult a physician.
- INHALATION:** Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. If you experience these symptoms, increase fresh air, wear respiratory protection (see Section VIII below), or leave the area. Consult a physician if symptoms persist.
- INGESTION:** HARMFUL OR FATAL IF SWALLOWED. May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product may contain the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product may contain the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** This product contains trace amounts of cobalt compounds, which have been classified as a possible human carcinogen by IARC. Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91087

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91085

MSDS #: 91085  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 11/6/2003

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® ALL COURT  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PETROLEUM DISTILLATES - LIGHT	64742-47-8	60%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 57      **DENSITY:** 7.32 LBS/GAL (0.88KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble  
**PRODUCT CHARACTERISTICS:** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II  
**FLASH POINT:** 103F (39C) PMCC  
**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00  
**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91085

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91085

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91082

MSDS #: 91082  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/6/2008

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® SPORT POLY (GLOSS)  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PETROLEUM DISTILLATES - LIGHT	64742-47-8	50%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 50      **DENSITY:** 7.42 LBS/GAL (0.89KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble  
**PRODUCT CHARACTERISTICS:** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 110F (43C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91082

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

**SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.

**INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.

**PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91082

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 99025

MSDS #: 99025  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 11/22/2005

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® SPORT SEAL 350  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE SEALER FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
1,2,4-TRIMETHYLBENZENE	95-63-6	<2%	25 PPM	N/E	1.0@20C
AROMATIC NAPHTHA	64742-95-6	<2%	50 PPM	N/E	<3.0@25C
OCTAMETHYLCYCLOTETRAILOXANE	556-67-2	10-15%	N/E	N/E	0.12@25C
PETROLEUM DISTILLATES - LIGHT	64742-47-8	20-25%	100 PPM	500 PPM	2.00 @ 20C
SOLVENT NAPHTHA - MEDIUM	64742-88-7	<2%	100 PPM	N/E	<3.0@25C
STODDARD SOLVENT	8052-41-3	5-10%	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 54      **DENSITY:** 7.71LBS/GAL (0.93KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 104F (43C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona<sup>®</sup>

MSDS #: 99025

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

**SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.

**INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.

**PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: 1,2,4-Trimethylbenzene. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** Use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 99025

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

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ACGIH = American Conference of Governmental Industrial Hygienists

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TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

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OSHA = Occupational Safety and Health Administration

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 91095

MSDS #: 91095  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 2/22/2005

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONASPORT® SPORT POLY 350  
**PRODUCT DESCRIPTION:** OIL MODIFIED URETHANE FINISH FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
LINSEED OIL	8001-26-1	3-7%	N/E	N/E	N/E
OCTAMETHYLCYCLOTETRASILOXANE	556-67-2	10-15%	NE	NE	0.12@25C
PETROLEUM DISTILLATES - LIGHT	64742-47-8	10-20%	N/E	500 PPM	2.00 @ 20C
STODDARD SOLVENT	8052-41-3	10-20%	100 PPM	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 39      **DENSITY:** 7.64LBS/GAL (0.92KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Amber, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** 104F (43C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91095

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

**SKIN CONTACT:** Overexposure to ingredients in this product may cause skin irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.

**INHALATION:** Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing nose and throat irritation, dizziness, headache, nausea or respiratory irritation. If affected by inhalation of vapor or spray mist, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.

**PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** Use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 91095

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 65010

MSDS #: 65010  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® COURTLINES™ (all colors except white)

**PRODUCT DESCRIPTION:** GAME LINE PAINT FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
PETROLEUM DISTILLATES - LIGHT	64742-47-8	43-53%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 49-53      **DENSITY:** 7.2-7.78 (0.90-0.93KG/L)

**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** Colored, slightly thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** >100F(38C) TCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 65010

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause irritation, redness and tearing. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause moderate irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Overexposure to ingredients in this product may cause nasal and respiratory irritation, dizziness, headache and nausea. If affected by inhalation of vapor or spray mist, remove to fresh air. Consult a physician.
- INGESTION:** ASPIRATION HAZARD. If swallowed, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 65010

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 65020

MSDS #: 65020  
DATE OF PREPARATION: 9/2/2008  
LAST REVISION DATE: 4/30/2001

**HMIS Ratings:**  
**HEALTH:** 2  
**FLAMMABILITY:** 2  
**REACTIVITY:** 0  
**PROTECTION:** G

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA SPORT® COURTLINES™ - WHITE  
**PRODUCT DESCRIPTION:** GAME LINE PAINT FOR WOOD SPORT FLOORS

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
ALUMINUM OXIDE	1344-28-1	<2%	N/E	N/E	
AMORPHOUS SILICA	7631-86-9	<2%	N/E	80 mg/m3	N/E
PETROLEUM DISTILLATES - LIGHT	64742-47-8	40-45%	N/E	500 PPM	2.00 @ 20C

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 300F-330F (149-166C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 42      **DENSITY:** 9.33 (1.12KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS** White, thick liquid with solvent odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** OSHA - Combustible Liquid Class II

**FLASH POINT:** >100F (38C) TCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** 11.00      **(Lower):** 1.00

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. **DANGER:** Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

**SPECIAL FIREFIGHTING PROCEDURES:** See 2008 Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 65020

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause irritation, redness and tearing. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause moderate irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Overexposure to ingredients in this product may cause nasal and respiratory irritation, dizziness, headache and nausea. If affected by inhalation of vapor or spray mist, remove to fresh air. Consult a physician.
- INGESTION:** **ASPIRATION HAZARD.** If swallowed, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air or ocean. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road under 49 CFR 173.150

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 65020

<b>VENTILATION:</b>	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
<b>PROTECTIVE GLOVES:</b>	Wear chemical-resistant gloves such as nitrile rubber.
<b>EYE PROTECTION:</b>	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear impervious clothing to avoid repeated or prolonged skin contact.
<b>HYGIENIC PRACTICES:</b>	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

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For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 13000

MSDS #: 13000  
DATE OF PREPARATION: 1/17/2011  
LAST REVISION DATE: 1/17/2011

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA DEEP CLEAN SOLUTION  
**PRODUCT DESCRIPTION:** WATERBORNE CLEANER FOR AUTOSCRUBBER USE

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	<1%	N/E	N/E	0.02 @ 20C
PHENOXYETHANOL	122-99-6	<1%	N/E	N/E	4.77 @ 25C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** 98      **DENSITY:** 8.33 LBS/GALB (1.00KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** Aquamarine liquid with slight solvent odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None.

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE - EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 13000

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness, and tearing. In case of contact, flush immediately with large amounts of water. If irritation persists, obtain medical attention.

**SKIN CONTACT:** Prolonged or repeated contact may cause irritation or dermatitis. In case of contact, wash area with soap and water.

**INHALATION:** Excessive inhalation of vapors may cause respiratory irritation. If affected by inhalation, remove to fresh air.

**INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.

**PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: Diethylene Glycol Monobutyl Ether and Phenoxyethanol. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion - e.g., Carbon Monoxide, Carbon Dioxide

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Acids and Oxidizing Agents

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.

**VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)



MSDS #: 13000

**EYE PROTECTION:** Use OSHA-permitted safety glasses. Have an eyewash station available.

**OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.

**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

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N/A = Not Applicable

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OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 11000

MSDS #: 11000

DATE OF PREPARATION: 12/15/2008  
LAST REVISION DATE: 12/15/2008

## HMIS Ratings:

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: -

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA HARDWOOD FLOOR CLEANER (PROFESSIONAL SERIES)  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR CLEANER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
NONE	---	---	---	---	---

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** > 98      **DENSITY:** 8.33 LBS/GAL (1.00KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS:** Purple, water-thin liquid with mild, sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 11000

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** No adverse effects expected under typical use conditions.
- SKIN CONTACT:** No adverse effects expected under typical use conditions.
- INHALATION:** No adverse effects expected under typical use conditions.
- INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute.
- PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. Not an eye irritant or dermal irritant; non-toxic by oral ingestion and inhalation under FHSA/CPSC guidelines.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** None
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** None Known
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** No special procedures required.
- WASTE DISPOSAL:** Contaminated absorbent should be disposed of in accordance with local, state and federal regulations.
- SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** Not required under normal use conditions
- VENTILATION:** Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.
- PROTECTIVE GLOVES:** Not necessary under normal use conditions.
- EYE PROTECTION:** Not necessary under normal use conditions.
- OTHER PROTECTIVE EQUIPMENT:** Not necessary.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)



MSDS #: 11000

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**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 11010

MSDS #: 11010

DATE OF PREPARATION: 12/15/2008

LAST REVISION DATE: 12/15/2008

## HMIS Ratings:

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: -

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA® HARDWOOD FLOOR REFRESHER (PROFESSIONAL SERIES)

**PRODUCT DESCRIPTION:** WATERBORNE URETHANE WOOD FLOOR MAINTENANCE PRODUCT

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
NONE	---	---	---	---	---

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 90      **DENSITY:** 8.39 LBS/GAL (1.01KG/L)

**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** White, milky liquid with sweet acrylic odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 11010

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** No adverse effects expected under typical use conditions.
- SKIN CONTACT:** No adverse effects expected under typical use conditions.
- INHALATION:** No adverse effects expected under typical use conditions.
- INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute.
- PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. Not an eye irritant or dermal irritant; non-toxic by oral ingestion and inhalation under FHSA/CPSC guidelines.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** None
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** None Known
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** No special procedures required.
- WASTE DISPOSAL:** Contaminated absorbent should be disposed of in accordance with local, state and federal regulations.
- SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** Not required under normal use conditions.
- VENTILATION:** Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.
- PROTECTIVE GLOVES:** Not necessary under normal use conditions.
- EYE PROTECTION:** Not necessary under normal use conditions.
- OTHER PROTECTIVE EQUIPMENT:** Not necessary.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)



MSDS #: 11010

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**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

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**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 11005

MSDS #: 11005

DATE OF PREPARATION: 12/15/2008  
LAST REVISION DATE: 12/15/2008

## HMIS Ratings:

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: -

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA STONE, TILE, & LAMINATE FLOOR CLEANER (PROFESSIONAL SERIES)  
**PRODUCT DESCRIPTION:** WATERBORNE WOOD FLOOR CLEANER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
NONE	---	---	---	---	---

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate  
**% VOLATILE - WT:** >98      **DENSITY:** 8.33 LBS/GAL (1.00KG/L)  
**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible  
**PRODUCT CHARACTERISTICS:** Aquamarine, water-thin liquid with mild, sweet odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 11005

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** No adverse effects expected under typical use conditions.
- SKIN CONTACT:** No adverse effects expected under typical use conditions.
- INHALATION:** No adverse effects expected under typical use conditions.
- INGESTION:** May cause gastrointestinal irritation. If swallowed, drink 1 or 2 glasses of water to dilute.
- PRIMARY ROUTES OF ENTRY:** Ingestion and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. Not an eye irritant or dermal irritant; non-toxic by oral ingestion and inhalation under FHSA/CPSC guidelines.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** None
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** None Known
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** No special procedures required.
- WASTE DISPOSAL:** Contaminated absorbent should be disposed of in accordance with local, state and federal regulations.
- SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** Not necessary under normal use conditions.
- VENTILATION:** Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.
- PROTECTIVE GLOVES:** Not necessary under normal use conditions.
- EYE PROTECTION:** Not necessary under normal use conditions.
- OTHER PROTECTIVE EQUIPMENT:** Not necessary.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number

1-800-424-9300 (Chemtrec)



MSDS #: 11005

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**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

0 = Minimal Hazard

1 = Slight Hazard

2 = Moderate Hazard

3 = Serious Hazard

4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 11015

MSDS #: 11015

DATE OF PREPARATION: 12/15/2008

LAST REVISION DATE: 12/15/2008

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA® STONE, TILE & LAMINATE FLOOR REFRESHER (PROFESSIONAL SERIES)

**PRODUCT DESCRIPTION:** WATERBORNE HARD SURFACE FLOOR MAINTENANCE PRODUCT

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	1-2.5%	N/E	N/E	0.26 @ 20C

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** >212F (100C)      **EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 90      **DENSITY:** 8.42 LBS/GAL (1.01KG/L)

**VAPOR DENSITY:** Heavier than air      **SOLUBILITY IN WATER:** Miscible

**PRODUCT CHARACTERISTICS:** White, water-thin liquid with ammonia odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-Flammable

**FLASH POINT:** None

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A      **(Lower):** N/A

**EXTINGUISHING MEDIA:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

**UNUSUAL FIRE EXPLOSION HAZARDS:** Closed containers may explode (due to the build-up of steam pressure) when exposed to extreme heat.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)

# Bona®

MSDS #: 11015

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** No adverse effects expected under typical use conditions.
- SKIN CONTACT:** No adverse effects expected under typical use conditions.
- INHALATION:** No adverse effects expected under typical use conditions. Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult a physician.
- PRIMARY ROUTES OF ENTRY:** Inhalation and Dermal
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: Diethylene Glycol Monoethyl Ether. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. Not an eye irritant or dermal irritant; non-toxic by oral ingestion and inhalation under FHSA/SPSC guidelines.

## SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

## SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** Not regulated as a DOT hazardous material

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** No protection required when ventilation recommendations (below) are followed.
- VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.
- PROTECTIVE GLOVES:** Not necessary under normal use conditions.
- EYE PROTECTION:** Not necessary under normal use conditions.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 11015

**OTHER PROTECTIVE EQUIPMENT:** Not necessary.

**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
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- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

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# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 82010

MSDS #: 82010

DATE OF PREPARATION: 3/31/2009

LAST REVISION DATE: 3/31/2009

## HMIS Ratings:

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** BONA® R580 MOISTURE BARRIER SEALER

**PRODUCT DESCRIPTION:** MOISTURE BARRIER SEALER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
1-PROPANAMINE, 2-(TRIMETHOXYSYLYL)-	13822-56-5	1-5	N/E	N/E	N/E
CALCIUM CARBONATE	471-34-1	10-30	N/E	5 mg/m <sup>3</sup>	
SILICA, AMORPHOUS, FUMED	7631-86-9	1-5	N/E	N/E	N/E
TRIETHOXYPROPYLSILANE	2550-02-9	1-5	N/E	N/E	N/E

### SECTION III - PHYSICAL DATA

**BOILING RANGE:** N/E

**EVAPORATION RATE:** Slower than n-Butyl Acetate

**% VOLATILE - WT:** 0%

**DENSITY:** 10.43 LBS/GAL (1.25KG/L)

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Insoluble

**PRODUCT CHARACTERISTICS:** Thick, off-white liquid with acetone-like odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Non-flammable

**FLASH POINT:** Over 212F (>100C) PMCC

**% OF VOL. OF FLAMMABLE LIMITS (Upper):** N/A

**(Lower):** N/A

**EXTINGUISHING MEDIA:** Dry chemical, Carbon Dioxide, Foam, Water spray.

**UNUSUAL FIRE EXPLOSION HAZARDS:** N/A

**SPECIAL FIREFIGHTING PROCEDURES:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 82010

## SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

**EYE CONTACT:** May cause irritation, redness, and tearing. In case of contact, flush immediately with large amounts of water. If irritation persists, obtain medical attention.

**SKIN CONTACT:** May cause irritation and redness. In case of contact, wash area with soap and water.

**INHALATION:** May cause respiratory tract irritation. If inhaled, remove to fresh air. If not breathing, give artificial respirations. Get medical attention if symptoms appear.

**INGESTION:** May cause gastrointestinal irritation and nausea. If ingested, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**PRIMARY ROUTES OF ENTRY:** Eye contact, Dermal, Inhalation.

**REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.

**TOXICITY INFO:** No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**REACTIVITY WITH WATER:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Metal Oxide/Oxides

**HAZARDOUS POLYMERIZATION:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing materials

## SECTION VII - SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED OR SPILLED:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

**WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.

**SHIPPING INFORMATION:** Not regulated as a DOT hazardous material.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION:** A respirator is not needed under normal and intended conditions of use.

**VENTILATION:** Use only with adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.

**PROTECTIVE GLOVES:** Wear chemical-resistant gloves such as nitrile rubber.

# Material Safety Data Sheet

24-Hour Emergency Telephone Number  
1-800-424-9300 (Chemtrec)



MSDS #: 82010

**EYE PROTECTION:** Safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** Wear impervious clothing to avoid repeated or prolonged skin contact.

**HYGIENIC PRACTICES:** Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

## SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 90F or 32C) environment. Keep from freezing.

**\*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\***

### KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL= Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

**BEFORE USING ANY PRODUCT, READ THE LABEL.**

# Material Safety Data Sheet



## Bona Adhesives R851

### 1. Product and company identification

<b>Product name</b>	: Bona Adhesives R851
<b>Material uses</b>	: Adhesive.
<b>Supplier/Manufacturer</b>	: Bona GmbH, Jahnstraße 12, D - 65549 Limburg Tel : +49-6431-4008-0 Fax : +49-6431-4008-25
<b>Code</b>	: BR850030US
<b>Responsible name</b>	: Atrion Regulatory Services, Inc.
<b>In case of emergency</b>	: Information Centre Specialising in Symptoms of Poisoning Emergency - Telephone : +49 - 761 - 19 240 Telephone of Company / Undertaking : +49-6431-4008-0 (08:30 - 16:30)

### 2. Hazards identification

<b>Physical state</b>	: Liquid.
<b>Odor</b>	: Acetone-like
<b>OSHA/HCS status</b>	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
<b>Emergency overview</b>	: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.  No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
<b>Routes of entry</b>	: Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Potential acute health effects</b>	
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Eyes</b>	: No known significant effects or critical hazards.
<b>Potential chronic health effects</b>	
<b>Chronic effects</b>	: No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>	
<b>Inhalation</b>	: No specific data.
<b>Ingestion</b>	: No specific data.
<b>Skin</b>	: No specific data.
<b>Eyes</b>	: No specific data.
<b>Medical conditions aggravated by over-exposure</b>	: None known.

See toxicological information (section 11)

### 3 . Composition/information on ingredients

#### United States

Name	CAS number	%
Limestone	1317-65-3	30 - 60

#### Canada

Name	CAS number	%
Limestone	1317-65-3	30 - 60

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5 . Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Extinguishing media**
  - Suitable** : Use an extinguishing agent suitable for the surrounding fire.
  - Not suitable** : None known.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**

## 6 . Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8 . Exposure controls/personal protection

<b>United States</b>	
<b>Product name</b> Limestone	<p style="text-align: center;"><b>Exposure limits</b></p> <p><b>NIOSH REL (United States, 12/2001).</b> TWA: 5 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 10 hour(s). Form: Total</p> <p><b>OSHA PEL (United States, 11/2006).</b> TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p>
<b>Canada</b>	
<b>Product name</b> Limestone	<p style="text-align: center;"><b>Exposure limits</b></p> <p><b>CA British Columbia Provincial (Canada, 7/2007).</b> TWA: 3 mg/m<sup>3</sup> 8 hour(s). Form: Respirable dust STEL: 20 mg/m<sup>3</sup> 15 minute(s). TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p> <p><b>CA Quebec Provincial (Canada, 12/2006).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total dust.</p> <p><b>CA Alberta Provincial (Canada, 10/2006).</b> 8 hrs OEL: 10 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>CA Ontario Provincial (Canada, 3/2007).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hour(s). Form: total dust</p>

**Consult local authorities for acceptable exposure limits.**

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

## 8 . Exposure controls/personal protection

- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Respiratory** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Closed cup: >100°C (>212°F) [Pensky-Martens.]
- Color** : Off-white.
- Odor** : Acetone-like
- Relative density** : 1.4

## 10 . Stability and reactivity

- Stability** : The product is stable.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials and acids.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

- Acute toxicity**
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.
- Eyes** : No known significant effects or critical hazards.

## 12 . Ecological information

**Environmental effects** : No known significant effects or critical hazards.

**Other adverse effects** : No known significant effects or critical hazards.

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14 . Transport information

**AERG** : Not available.

**Regulatory information**

**DOT/ TDG / IMDG/ IATA** : Not regulated.

## 15 . Regulatory information

**United States**

**HCS Classification** : Not regulated.

**U.S. Federal regulations** : TSCA 4(a) final test rules: 1,2-benzenedicarboxylic acid, diisononyl ester  
TSCA 8(a) PAIR: Amorphous silica

**United States inventory (TSCA 8b)**: All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.

**SARA 302/304 emergency planning and notification**: No products were found.

**SARA 302/304/311/312 hazardous chemicals**: Limestone

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**:  
Limestone: Immediate (acute) health hazard

**Clean Water Act (CWA) 307**: No products were found.

**Clean Water Act (CWA) 311**: No products were found.

**Clean Air Act (CAA) 112 accidental release prevention**: No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.

**State regulations** :

- Connecticut Carcinogen Reporting**: None of the components are listed.
- Connecticut Hazardous Material Survey**: None of the components are listed.
- Florida substances**: None of the components are listed.
- Illinois Chemical Safety Act**: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act**: None of the components are listed.
- Louisiana Reporting**: None of the components are listed.
- Louisiana Spill**: None of the components are listed.
- Massachusetts Spill**: None of the components are listed.
- Massachusetts Substances**: The following components are listed: Limestone
- Michigan Critical Material**: None of the components are listed.
- Minnesota Hazardous Substances**: None of the components are listed.
- New Jersey Hazardous Substances**: None of the components are listed.
- New Jersey Spill**: None of the components are listed.

## 15 . Regulatory information

**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.  
**New York Acutely Hazardous Substances:** None of the components are listed.  
**New York Toxic Chemical Release Reporting:** None of the components are listed.  
**Pennsylvania RTK Hazardous Substances:** The following components are listed:  
 Limestone  
**Rhode Island Hazardous Substances:** None of the components are listed.

**California Prop. 65**

No products were found.

**Canada**

**WHMIS (Canada)** : Not controlled under WHMIS (Canada).

**Canadian lists** : CEPA DSL: All components listed.

CEPA NDSL: Limestone

**Canada inventory** : At least one component is not listed in DSL but all such components are listed in NDSL.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

**International regulations**

**International lists** : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

## 16 . Other information

**Label requirements** : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Hazardous Material Information System (U.S.A.)** :

**HAZARD RATINGS**

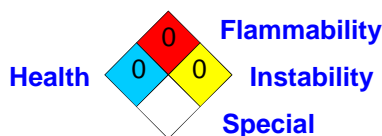
Health	0
Fire hazard	0
Physical Hazard	0

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

**The customer is responsible for determining the PPE code for this material.**

**National Fire Protection Association (U.S.A.)** :



**References**

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

**Date of issue** : 10/01/2008

**Date of previous issue** : 11/15/2007

**Version** : 3

## 16 . Other information

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# Material Safety Data Sheet



R850T

## 1. Product and company identification

<b>Product name</b>	: R850T
<b>Material uses</b>	: Adhesive.
<b>Supplier/Manufacturer</b>	: Bona GmbH Jahnstraße 12, D - 65549 Limburg Tel : +49-6431-4008-0 Fax : +49-6431-4008-25
<b>Responsible name</b>	: KMK Regulatory Services inc.
<b>In case of emergency</b>	: Information Centre Specialising in Symptoms of Poisoning Emergency - Telephone :+49 - 761 - 19 240 Telephone of Company / Undertaking : +49-6431-4008-0 (08:30 - 16:30)

## 2. Hazards identification

<b>Physical state</b>	: Paste.
<b>Odor</b>	: Characteristic.
<b>OSHA/HCS status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Emergency overview</b>	: CAUTION! CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. Contains material that may cause target organ damage, based on animal data.

### Potential acute health effects

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Eyes</b>	: No known significant effects or critical hazards.

### Potential chronic health effects

<b>Chronic effects</b>	: Contains material that may cause target organ damage, based on animal data.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.
<b>Target organs</b>	: Contains material which may cause damage to the following organs: upper respiratory tract, skin, eyes.

### Over-exposure signs/symptoms

<b>Inhalation</b>	: No specific data.
<b>Ingestion</b>	: No specific data.
<b>Skin</b>	: No specific data.
<b>Eyes</b>	: No specific data.

<b>Medical conditions aggravated by over-exposure</b>	: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.
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See toxicological information (section 11)

### 3. Composition/information on ingredients

#### United States

Name	CAS number	%
Limestone	1317-65-3	30 - 60

#### Canada

Name	CAS number	%
Limestone	1317-65-3	30 - 60

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. First aid measures

- Eye contact** : Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5. Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Extinguishing media**
  - Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
  - Not suitable** : Do not use water jet.
- Hazardous decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

- Personal precautions** : Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**
  - Small spill** : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 6. Accidental release measures

- Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### United States

Ingredient	Exposure limits
Limestone	<p><b>NIOSH REL (United States, 6/2008).</b>                      TWA: 5 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fraction                      TWA: 10 mg/m<sup>3</sup> 10 hour(s). Form: Total</p> <p><b>OSHA PEL (United States, 11/2006).</b>                      TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fraction                      TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p>

### Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling				
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations	
Limestone	AB 6/2008	-	10	-	-	-	-	-	-	-		
	BC 6/2008	-	3	-	-	-	-	-	-	-	[a]	
		-	10	-	-	-	-	-	-	-	[b]	
		-	-	-	-	20	-	-	-	-	-	[b]
	ON 6/2008	-	10	-	-	-	-	-	-	-	[b]	
	QC 6/2008	-	10	-	-	-	-	-	-	-	[b]	

Form: [a]Respirable dust [b]Total dust

### Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.
- Hygiene measures** : Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

## 8. Exposure controls/personal protection

### Personal protection

- Respiratory** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Wear an appropriate NIOSH approved respirator if concentration levels exceed the safe exposure limits.
- Hands** : Use gloves appropriate for work or task being performed. Recommended: Natural rubber (latex).
- Eyes** : Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side shields.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Lab coat.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

- Physical state** : Paste.
- Flash point** : Closed cup: >100°C (>212°F) [Pensky-Martens.]
- Color** : Off-white.
- Odor** : Characteristic.
- Relative density** : 1.4
- Vapor pressure** : Not available.
- Vapor density** : >1 [Air = 1]
- Solubility** : Partially soluble in the following materials: cold water and hot water.

## 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials and acids.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

- Acute toxicity** : No specific data.
- Chronic toxicity** : No specific data.

## 12. Ecological information

- Ecotoxicity** : No known significant effects or critical hazards.

## 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14. Transport information

### Regulatory information

DOT/ TDG / IMDG/ IATA : Not regulated.

## 15. Regulatory information

### United States

**HCS Classification** : Target organ effects

**U.S. Federal regulations** : **United States inventory (TSCA 8b)**: All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.

**SARA 302/304 emergency planning and notification**: No products were found.

**SARA 302/304/311/312 hazardous chemicals**: Limestone

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**:  
Limestone: Immediate (acute) health hazard

**Clean Water Act (CWA) 307**: No products were found.

**Clean Water Act (CWA) 311**: No products were found.

**Clean Air Act (CAA) 112 accidental release prevention**: No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**Connecticut Carcinogen Reporting**: None of the components are listed.

**Connecticut Hazardous Material Survey**: None of the components are listed.

**Florida substances**: None of the components are listed.

**Illinois Chemical Safety Act**: None of the components are listed.

**Illinois Toxic Substances Disclosure to Employee Act**: None of the components are listed.

**Louisiana Reporting**: None of the components are listed.

**Louisiana Spill**: None of the components are listed.

**Massachusetts Spill**: None of the components are listed.

**Massachusetts Substances**: The following components are listed: Limestone

## 15. Regulatory information

**Michigan Critical Material:** None of the components are listed.  
**Minnesota Hazardous Substances:** None of the components are listed.  
**New Jersey Hazardous Substances:** None of the components are listed.  
**New Jersey Spill:** None of the components are listed.  
**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.  
**New York Acutely Hazardous Substances:** None of the components are listed.  
**New York Toxic Chemical Release Reporting:** None of the components are listed.  
**Pennsylvania RTK Hazardous Substances:** The following components are listed:  
 Limestone  
**Rhode Island Hazardous Substances:** None of the components are listed.

### Canada

**WHMIS (Canada)** : Not controlled under WHMIS (Canada).

**CEPA Toxic substances:** None of the components are listed.  
**Canadian ARET:** None of the components are listed.  
**Canadian NPRI:** None of the components are listed.  
**Alberta Designated Substances:** None of the components are listed.  
**Ontario Designated Substances:** None of the components are listed.  
**Quebec Designated Substances:** None of the components are listed.

**Canada inventory** : At least one component is not listed in DSL but all such components are listed in NDSL.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

### International regulations

**International lists** : **Australia inventory (AICS):** All components are listed or exempted.  
**China inventory (IECSC):** All components are listed or exempted.  
**Japan inventory:** Not determined.  
**Korea inventory:** All components are listed or exempted.  
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.  
**Philippines inventory (PICCS):** All components are listed or exempted.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## 16. Other information

**Label requirements** : CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

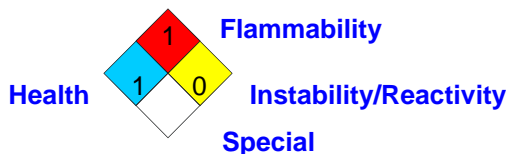
**Hazardous Material Information System (U.S.A.)** :

Health	*	1
Flammability		1
Physical hazards		0
Personal protection		

The customer is responsible for determining the PPE code for this material.

**16. Other information**

National Fire Protection Association (U.S.A.) :



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**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



Dr. Luc Séguin, PhD chemist, 25 years as a professional in regulatory compliance

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