

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** FREE W/MOLY AEROSOL  
**Product Code** 5068  
**Information on Manufacturer**  
 CERTIFIED LABS, DIV. OF NCH CORP.  
 BOX 152170  
 IRVING, TEXAS 75015

**Recommended Use** Lubricant  
**Chemical Nature** Solvent blend  
**Emergency Telephone Number**  
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 Danger  
 Extremely flammable  
 May be harmful if inhaled  
 Causes skin irritation  
 Causes eye irritation  
 Harmful or fatal if swallowed

**Color** Amber - Dark amber

**Physical State** Liquid

**Odor** Petroleum distillates

**Potential Health Effects**

**Principle Route of Exposure**

Inhalation, Skin contact, Eye contact.

**Primary Routes of Entry**

Inhalation, Skin Absorption.

**Acute Effects**

**Eyes** Irritating to eyes.

**Skin** Irritating to skin. Repeated exposure may cause skin dryness or cracking.

**Inhalation** May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion** Ingestion may cause irritation to mucous membranes. Aspiration hazard if swallowed - can enter lungs and cause damage.

**Chronic Effects**

Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Liver and kidney injuries may occur.

**Target Organ Effects**

Central nervous system, Cardiovascular system, Liver, Kidney, Lungs, Heart, Blood.

**Aggravated Medical Conditions**

Respiratory system. Skin disorders. Liver disorders. Kidney disorders. Blood disorders. Heart disease.

**Potential Environmental Effects**

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Butane	106-97-8
Ethylacetate	141-78-6
Petroleum distillates, hydrotreated light	64742-47-8
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6
Sodium sulfonate	68608-26-4
Propane	74-98-6

4. FIRST AID MEASURES

**General Advice**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

**Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists.

**Inhalation**

Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

**Ingestion**

Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**Notes to Physician**

Aspiration hazard if swallowed - can enter lungs and cause damage.

5. FIRE-FIGHTING MEASURES

**Flash Point** < 80°F / < 27°C

**Method** Seta closed cup

**Autoignition Temperature** No information available

**Flammability Limits in Air** % Solvent mixture

**Upper** 11.5 **Lower** 0.5

**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO2). Dry chemical. Water spray.

**Specific Hazards Arising from the Chemical**

Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. Flame extension: >18 inches / >45 cm and Burnback: >3 inches / >7.5 cm.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Aerosol Level (NFPA 30B) -**

3

<b>NFPA</b>	<b>Health</b>	2	<b>Flammability</b>	4	<b>Instability</b>	0
<b>HMSIS</b>	<b>Health</b>	2	<b>Flammability</b>	4	<b>Instability</b>	0

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Use personal protective equipment. Prevent further leakage or spillage if safe to do so.

**Environmental Precautions**

Do not flush into surface water or sanitary sewer system.

**Methods for Containment**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)

**Methods for Cleaning Up**

Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

**Handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

**Storage**

Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place.

**Storage Temperature**

**Minimum** 35°F / 2°C

**Maximum** 120°F / 49°C

**Storage Conditions**

**Indoor** X **Outdoor**

**Heated**

**Refrigerated**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH
Butane	TWA: 1000 ppm	no data available	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Ethylacetate	TWA: 400 ppm	TWA: 1400 mg/m <sup>3</sup> TWA: 400 ppm	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m <sup>3</sup>
Petroleum distillates, hydrotreated light	No data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	No data available	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	No data available	no data available	no data available
Sodium sulfonate	No data available	no data available	no data available
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Engineering Measures**

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Skin Protection**

Neoprene gloves.

**Respiratory Protection**

Use NIOSH approved respiratory protection.

**General Hygiene Considerations**

Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Amber - Dark amber	<b>Odor</b>	Petroleum distillates
<b>Appearance</b>	Transparent	<b>pH</b>	Not applicable
<b>Specific Gravity</b>	0.840	<b>Bulk Density</b>	No data available
<b>Evaporation Rate</b>	24.8 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	75.5
<b>VOC Content (%)</b>	41.9	<b>Vapor Pressure</b>	1548 mmHg @ 70 °F
<b>Vapor Density</b>	1.7	<b>Solubility</b>	Negligible
<b>Boiling Point/Range</b>	>160°F / 71°C		

## 10. STABILITY AND REACTIVITY

**Chemical Stability**

Stable under normal conditions. Hazardous polymerization does not occur .

**Conditions to Avoid**

Heat, flames, and sparks.

**Incompatible Products**

Strong oxidizing agents. Strong acids. Strong bases. Nitric acid. Amines.

**Hazardous Decomposition Products**

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides . Sulfur compounds . Aldehydes .

**Possibility of Hazardous Reactions**

Hydrogen sulfide and smoke..

None under normal processing

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

No information available

**Component Information****Acute toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Butane	no data available	no data available	658 mg/L ( Rat ) 4 h	no data available	no data available
Ethylacetate	5620 mg/kg ( Rat )	18000 mg/kg ( Rabbit ) 20 mL/kg ( Rabbit )	no data available	no data available	no data available
Petroleum distillates, hydrotreated light	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h	no data available	no data available
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Propane	no data available	no data available	658 mg/L ( Rat ) 4 h	no data available	no data available

**Chronic Toxicity**

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Butane	no data available	no data available	no data available	no data available	CNS, liver, heart
Ethylacetate	no data available	no data available	no data available	no data available	eyes, skin, respiratory system, blood
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	CNS, cardiovascular system
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	no data available

naphthenic (<3% DMSO extractable)					
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Propane	no data available	no data available	no data available	no data available	CNS, liver, heart

**Carcinogenicity** There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC
Butane	not applicable	not applicable
Ethylacetate	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	not applicable	not applicable
Sodium sulfonate	not applicable	not applicable
Propane	not applicable	not applicable

Component	NTP	OSHA	Other
Butane	not applicable	not applicable	not applicable
Ethylacetate	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable
Sodium sulfonate	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable

**12. ECOLOGICAL INFORMATION**

Product Information No information available

## Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Butane	no data available	no data available	no data available	no data available	2.89
Ethylacetate	EC50= 3300 mg/L Scenedesmus subspicatus 48 h	LC50= 230 mg/L Pimephales promelas 96 h LC50= 484 mg/L Oncorhynchus mykiss 96 h	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	EC50 = 717 mg/L 48 h	0.6
Petroleum distillates, hydrotreated light	no data available	LC50= 1740 mg/L Lepomis macrochirus 96 h LC50= 45 mg/L Pimephales promelas 96 h	no data available	LC50 = 4720 mg/L 96 h	N/A
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50> 5000 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	LC50> 5000 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Sodium sulfonate	no data available	no data available	no data available	no data available	N/A
Propane	no data available	no data available	no data available	no data available	2.3

Persistence and Degradability No information available

Bioaccumulation No information available

Mobility No information available

**13. DISPOSAL CONSIDERATIONS**

**Product Disposal** Dispose of in accordance with local regulations  
**Container Disposal** Warning! Container under pressure Do not puncture. Do not re-use empty containers

**14. TRANSPORT INFORMATION**

**DOT**  
**Proper Shipping Name** DOT  
**Hazard Class** Consumer commodity  
**Description** ORM-D  
Consumer commodity ,ORM-D,

**TDG**  
**Proper shipping name** Aerosols  
**Hazard Class** 2.1  
**UN-No** UN1950  
**Description** AEROSOLS,2.1,UN1950

**ICAO**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Shipping Description** Aerosols,UN1950

**IATA**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1  
**ERG Code** 10L  
**Shipping Description** UN1950,Aerosols, flammable,2.1

**IMDG/IMO**  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2  
**UN-No** UN1950

EmS No. F-D, S-U  
 Shipping Description UN1950, Aerosols,2

## 15. REGULATORY INFORMATION

## Inventories

TSCA Complies  
 DSL Complies

## U.S. Federal Regulations

## SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

## SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	No

## CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Butane	Not applicable	Not applicable
Ethylacetate	5000 lb	Not applicable
Petroleum distillates, hydrotreated light	Not applicable	Not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Sodium sulfonate	Not applicable	Not applicable
Propane	Not applicable	Not applicable

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## WHMIS Hazard Class

A Compressed gases, B2 Flammable liquid, D2B Toxic materials .



## 16. OTHER INFORMATION

Prepared By Dan Hollas  
 Supersedes Date 12/21/2007  
 Issuing Date 10/27/2008  
 Reason for Revision No information available  
 Glossary No information available  
 List of References No information available

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