

MSDS Name: TUFF-BOND HANGER ADHESIVE  
MSDS Number: GEM03, GEM04  
MSDS Last Updated: MAR-08-2006

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SECTION I - PRODUCT AND COMPANY INFORMATION  
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Product Name: TUFF-BOND HANGER ADHESIVE  
CAS Number: MIXTURE  
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 PPI: B  
Company Identification: GEMCO, 1019 Griggs Street, Danville, IL 61832  
Telephone/Fax: (217)446-7900 / (217)443-2582  
Chemtrec (24 Hour): (800)424-9300  
Trade Name: TUFF-BOND HANGER ADHESIVE  
Product Code: GEM03, GEM04  
DOT Hazard Class 3  
UN Number: 1133  
Shipping Name: ADHESIVES  
Packing Group: II

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SECTION II - HAZARDOUS INFORMATION  
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Ingredient Name	CAS Number	Percent	TSCA
TOLUENE	108-88-3	7-13	Y
HEXANE	110-54-3	7-13	Y
LIGHT ALIPHATIC NAPHTA	64742-89-8	3-10	Y
HEPTANE	142-82-5	3-10	Y
CYCLOHEXANE	110-82-7	1-5	Y
SILICA, QUARTZ	14808-60-7	0.5-1.0	Y

Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death.  
Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

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SECTION III - PHYSICAL DATA  
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Appearance/Color: BEIGE/CREAM  
Boiling Range: 156.0F  
Evaporation Rate: Faster than n-Butyl Acetate  
% Volatile Weight: 36.6%  
% Volatile Volume: Not Available  
Specific Gravity: 1.08  
Weight/Volume Measure: 9.00  
EPA Method 24 VOC: 394.6 g/L  
Photo Chem Reactive Only VOC: 394.6

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SECTION IV - FIRE AND EXPLOSION HAZARD DANGER  
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Flammability Class: IB  
Flash Range: 0 F  
Tag Closed Cup  
Explosive Range: 0.9%  
7.5%  
EXTINGUISHING MEDIA:

Foam, dry chemical, carbon dioxide, water spray or fog.

**SPECIAL FIREFIGHTING PROCEDURES:**

Wear a self-contained breathing apparatus.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

Vapors are heavier than air and may travel to an ignition source distant from the material handling point.

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**SECTION V - HEALTH HAZARD DATA**  
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**PERMISSIBLE EXPOSURE LEVEL:**

SEE SECTION VIII.

**EFFECTS OF OVEREXPOSURE:**

**INGESTION:** Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

**INHALATION:** May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

**EYES:** May cause severe eye irritation and corneal damage.

**SKIN:** May cause dermatitis. May cause defatting and irritation of the skin.

**FIRST AID:**

**EYES:** Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

**SKIN:** Prolonged or repeated contact can cause irritation and possible defatting of skin.

**INGESTION:** Do not induce vomiting, keep person warm, quiet and get medical attention (aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal).

**INHALATION:** Remove individual to fresh air and if breathing is difficult, administer oxygen.

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**SECTION VI - REACTIVITY DATA**  
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**Stability:** This product is stable

**Hazardous Polymerization:** Hazardous polymerization will not occur

**INCOMPATIBILITY:**

Strong oxidizing agents, strong acids and bases.

**CONDITIONS TO AVOID:**

Fire, sparks, static electricity.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide.

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**SECTION VII - SPILL OR LEAK PROCEDURES**  
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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

WASTE DISPOSAL METHOD:

Dispose in accordance with federal, state and local regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
TOLUENE				
50.00 PPM	N/est	N/est	N/est	200.00 PPM
HEXANE				
400.00 PPM	N/est	500.00 PPM	N/est	500.00 PPM
LIGHT ALIPHATIC NAPHTHA				
100.00 PPM	N/est	N/est	N/est	500.00 PPM
HEPTANE				
400.00 PPM	N/est	500.00 PPM	500.00 PPM	500.00 PPM
CYCLOHEXANE				
200.00 PPM	N/est	N/est	N/est	200.00 PPM
SILICA, QUARTZ				
0.10mg/M3	N/est	N/est	N/est	0.10mg/M3

RESPIRATORY PROTECTION:

If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator must be used in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL.

PROTECTIVE GLOVES:

Chemical resistant gloves.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated, prolonged skin contact, wear impervious clothing and boots.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use. Store at 60-95 degrees F and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed. Ground all equipment when handling flammable solvent-borne materials.

OTHER PRECAUTIONS:

For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe fumes. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Close all containers when not in use. Empty containers must not be washed and re-used for any purpose.

Contact lens wearers take appropriate precautions. Wash hands thoroughly after handling.  
For spray applications, use only with approved spray equipment.  
For flammable products, vapors may cause flash fire or ignite explosively. To prevent buildup of vapors, use adequate ventilations (e.g. open all windows and doors to achieve cross-ventilation).  
Containers may be hazardous when empty. Never use welding or cutting torch on or near container.

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SECTION X - ADDITIONAL REGULATORY INFORMATION  
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SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
TOLUENE	108-88-3	7-13
HEXANE	110-54-3	7-13
CYCLOHEXANE	110-82-7	1-5

PROP 65 (CARCINOGEN)

WARNING: This product contains a chemical known to the state of California to cause cancer.

Ingredient Name	CAS Number	Percent
SILICA, QUARTZ	14808-60-7	0.5-1.0

PROP 65 (TERATOGEN)

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Ingredient Name	CAS Number	Percent
TOLUENE	108-88-3	7-13

The following ingredients are registered for TSCA 12B

Ingredient Name	CAS Number	Percent
HEXANE	110-54-3	7-13
CYCLOHEXANE	110-82-7	1-5

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DISCLAIMER  
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