

Product Code: 4754-1  
 Product Name: SEMI-GLOSS CLEAR CONVERSION VARNISH

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036  
 24-Hour Emergency (Spill, Leak, Exposure or Accident): INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500  
 24-Hour Emergency HAZMAT Response and MSDS help: EMI 800-510-8510

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(SEE TOP OF PAGE)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT/EXPOSURE LIMITS</u>	<u>CAS#</u>
XYLENE OSHA: 100 PPM PEL-TWA NIOSH: 100 PPM PEL-TWA	1330-20-7
AROMATIC 100	64742-95-6
n-BUTANOL OSHA PEL: 100ppm TWA ACGIH TLV 50ppm	71-36-3
ISOBUTYL ALCOHOL	78-83-1
ETHYLBENZENE	100-41-4
ETHANOL OSHA: 1000 PPM PEL-TWA NIOSH: 1000 PPM PEL-TWA	64-17-5
1,2,4-TRIMETHYLBENZENE	95-63-6
FORMALDEHYDE	50-00-0
TOLUENE	108-88-3
ISOPROPANOL 400ppm TWA8 ACGIH, 983 mg/m3 TWA8 ACGIH 980mg/m3 TWA8 OSHA, 500ppm STEL OSHA	67-63-0
CUMENE	98-82-8

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METHANOL 67-56-1  
OSHA: 200 PPM PEL-TWA  
NIOSH: 200 PPM PEL-TWA  
OSHA: 6000 PPM IDLH

**3. HAZARDS IDENTIFICATION**

Flammable in a liquid state  
Vapor causes eye burns and skin irritation  
  
Contains trace amounts of free formaldehyde  
Inhalation of formaldehyde vapors has caused cancer in tests using laboratory animals.

**POTENTIAL HEALTH EFFECTS**

**SKIN:**

Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.

**INGESTION:**

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

**INHALATION:**

High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

**4. FIRST AID MEASURES**

**EYES:**

Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.

**SKIN:**

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

**INGESTION:**

Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Contact physician or poison control center immediately.

**INHALATION:**

Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASSIFICATION: CLASS 1B FLAMMABLE**

**LOWEST FLASH POINT: 51.8F**

**METHOD: CC**

DOT: FLAMMABLE LIQUID

**FLAMMABLE LIMITS:**

**LOWER FLAMMABLE LIMIT: 1.4**

**UPPER FLAMMABLE LIMIT: 36**

**EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical**

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The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA Class 1B flammable liquid fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

**FIREFIGHTING INSTRUCTIONS:**

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

**6. ACCIDENTAL RELEASE MEASURES**

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways. If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

**7. HANDLING AND STORAGE**

**HANDLING:**

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in this sheet must be observed.

**STORAGE:**

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

PRIMARY ROUTES OF ENTRY: inhalation, skin contact, eyes, ingestion.

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

**SKIN PROTECTION:**

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

**EYE PROTECTION:**

Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

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**HYGENIC PRACTICES:**

Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: 147.2 F  
MELTING POINT: N/A  
VAPOR PRESSURE: N/A  
VAPOR DENSITY: Heavier Than Air  
SOLUBILITY IN WATER: N/A  
SPECIFIC GRAVITY: .979  
COATING VOC LB/GL: 4.4436 lb/gl  
COATING VOC GM/LTR: 532 g/l  
MATERIAL VOC LB/GL: 4.4436 lb/gl  
MATERIAL VOC GM/LTR: 532 g/l  
% VOLATILE BY VOLUME: 62.79%  
EVAPORATION RATE: Faster than Butyl Acetate.  
WEIGHT PER GALLON: 8.149 lb/gl  
PH: N/A  
ODOR: N/A  
APPEARANCE: Liquid

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:**  
Stable Conditions to Avoid: high heat, sparks, flames.  
**INCOMPATIBILITY**  
Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
Oxidation may produce carbon and nitrogen oxides.  
**HAZARDOUS POLYMERIZATION:**  
Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**CANCER INFORMATION:**  
This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC or OSHA-Z in the other limits recommended column  
**TERATOLOGY (BIRTH DEFECT) INFORMATION:**  
This product contains no reported or suspected teratogens.  
**REPRODUCTION INFORMATION:**  
Gaseous formaldehyde is classified as a Class B1 Probable Human Carcinogen by the IARC. This product contains a chemical known to the State of California to cause cancer.

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:**  
Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and federal regulations.

**14. TRANSPORT INFORMATION**

DOT NUMBER: UN1263

**15. REGULATORY INFORMATION**

HMS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST

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**HEALTH: 2**

**FLAMMABILITY: 3**

**REACTIVITY: 0**

**PERSONAL PROTECTION: I**

**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 (Chemicals listed below constitute the specific percentage of product by weight. Chemicals that do not have a listed percentage comprise less than 1% of total product weight):

	% BY WT	
* XYLENE	1330-20-7	28
* AROMATIC 100	64742-95-6	9
* n-BUTANOL	71-36-3	7
* ETHYLBENZENE	100-41-4	4
* 1,2,4-TRIMETHYLBENZENE	95-63-6	2
* FORMALDEHYDE	50-00-0	
* TOLUENE	108-88-3	
* CUMENE	98-82-8	
* METHANOL	67-56-1	

**16. DISCLAIMER:**

The following supercedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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