

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
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Manufacturer's Name: HEVEATEX CORP. 106 Ferry Street Fall River, MA 02722	Emergency Telephone Number: 800-922-2933 Information Phone: 508-675-0181 Origination Date: June, 1996 Revision Date: Sept. 7, 1999	Distributor Name: CooperTools 3535 Glenwood Avenue Raleigh, N.C. 27612 Information: 919-783-2126
COMMON NAME: Spot Mask	PRODUCT CAS NO.: Mixture	

2. INGREDIENTS: COMPOSITION/INFORMATION				
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INGREDIENT	% WEIGHT	PEL-OSHA	TLV-ACGIH	LD 50/LC 50 ROUTE/SPECIES
Polyisoprene CAS No.: 9003-31-0 RTECS: No Data	60-80	None Established	None Established	No Data
Water CAS No.: 7732-18-5 RTECS: ZC0110000	20-40	Not Applicable	Not Applicable	Not Applicable
Ethylene glycol CAS No.: 107-21-1 RTECS: KW2975000	0-5	None 50 ppm (Ceiling) ⁽¹⁾	39.4 ppm (ceiling) (aerosol)	LD50: 4700 mg/kg oral/rat
Ammonia CAS No.: 7664-41-7 RTECS: BO0875000	< 0.7	50 ppm (STEL) 35 ppm ⁽¹⁾ (STEL)	25 ppm 35 ppm (STEL)	LC50: 2000 ppm/4 H inhalation/rat
Inert fillers CAS No.: Mixture RTECS: Mixture	Balance	15mg/m ³ (total) 5 mg/m ³ (resp.) PNOR	10 mg/m ³ (inhalable) 3 mg/m ³ (resp.) PNOC	

⁽¹⁾1989 Updated PELs effectively vacated by a July 1992 decision by the U.S. Court of Appeals for the Eleventh Circuit (AFL-CIO v. OSHA, 965 F2d; 11th Cir., 1992).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Viscous white liquid with ammonia odor which may cause eye, skin, and upper respiratory irritation. Long-term exposure to ethylene glycol may cause kidney damage. Sensitive individuals may develop allergic reaction. Avoid skin and eye contact. Do not inhale mists or fumes.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: May cause skin irritation. Individuals sensitive to polyisoprene may develop immediate or delayed allergic reaction.

INHALATION: Inhalation of mists or vapors may cause irritation of the upper respiratory tract.

INGESTION: Accidental ingestion of this product may cause gastrointestinal blockage. Ingestion of large quantities may cause ethylene glycol toxicity.

SIGNS AND SYMPTOMS: Overexposure to this product can cause eye, skin, and respiratory tract irritation. Ethylene glycol toxicity causes central nervous system (CNS) depression with symptoms resembling those of alcohol intoxication (drowsiness, slurred speech, stupor, coma, etc.).

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Product may aggravate pre-existing skin disorders.

CHRONIC: Long-term exposure to ethylene glycol may damage the kidneys.

CARCINOGENICITY:

NTP: No

OSHA: No

IARC: No

TARGET ORGANS: Eyes, skin, respiratory tract

4. FIRST AID MEASURES

EYE CONTACT: Flush eyes with water for 15 minutes then rinse with USP eyewash. If irritation persists, seek medical attention.

SKIN CONTACT: Remove contaminated clothing and wash affected area with soap and water. If irritation persists, seek medical attention.

INHALATION: Remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Seek medical attention.

OTHER: If accidental ingestion occurs, drink 1 glass of water and seek medical attention.

5. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES****FLASHPOINT:** Not Applicable**NFPA HAZARD CLASSIFICATION:** (as ethylene glycol)

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

FLAMMABLE LIMITS:

LEL: Not Applicable

UEL: Not Applicable

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical foam. Direct water stream may tend to scatter and spread flames.

FIRE AND EXPLOSION HAZARDS: Thermal decomposition will produce carbon oxides, small amounts of nitrous oxides, and other oxidation products. Thermal decomposition of latex will give flammable gas. Dry product may continue to smolder and eventually re-ignite.

FIRE FIGHTING EQUIPMENT: Firefighters should wear a NIOSH/MSHA-approved self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout gear or bunker gear.

6. ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unauthorized and/or unprotected personnel. Clean-up personnel should wear appropriate protective equipment. Absorb or dike spill with suitable sorbent material (fuller's earth, clay, etc.). Prevent entry into waterways and sewers. Place waste in clean dry closed container for later reuse/disposal. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

7. HANDLING AND STORAGE

Store out of direct light in cool, dry area in tightly closed containers. Protect from freezing. Avoid breathing vapor, mist, or fumes. Do not eat, drink, or smoke in the work area. Avoid prolonged or repeated skin contact. Avoid eye contact. Launder contaminated clothing. Keep containers closed when not in use.

7. HANDLING AND STORAGE (CONTINUED)

Do not use product to coat unprotected copper or any alloy containing manganese. These metals cause rapid degradation of the rubber.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Under normal conditions (ambient temperature and pressure) and use none required.

SKIN PROTECTION: Chemical resistant gloves, aprons, coveralls, etc

EYE PROTECTION: Splash goggles or face shields when eye contact may occur.

ENGINEERING CONTROLS: General ventilation. Local exhaust ventilation should be used in areas where heating or misting occur.

PERSONAL CONTROL MEASURES:

Air sampling for ethylene glycol: 1.0 µm glass fiber filter and silica gel tube (NIOSH 5500)

Air sampling for ammonia: H₂SO₄-treated silica gel tube with 0.8 µm mixed cellulose ester pre-filter (optional) (NIOSH 6015)

OTHER: Emergency eyewash stations

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Viscous white liquid
ODOR:	Ammoniacal
BOILING POINT:	212 °F
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY:	Not Applicable
SOLUBILITY IN WATER:	Dilutable
SPECIFIC GRAVITY:	1.00 (H ₂ O = 1)
FREEZING POINT:	No Data
pH:	10.1
% VOLATILE:	No Data
VISCOSITY:	22,000-26,000 CPS
SOLIDS CONTENT:	54% (minimum)

10. STABILITY AND REACTIVITY

STABILITY: Stable.

INCOMPATIBILITY: Acidic materials may cause latex to coagulate. Unprotected copper or manganese alloys may cause degradation of rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will produce carbon oxides, flammable gases, and other oxidation products.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

INGESTION: Ingestion of 398 mg/kg(LDL₀) ethylene glycol has produced headache, nausea, and vomiting in humans.

SKIN: Adverse effects from ammonia are not anticipated at the low levels present in this product. Hypersensitivity reactions to polyisoprene include rhinitis, systemic urticaria, conjunctivitis, bronchospasm or anaphylactic shock.

EYE: Administration of 100 mg of ethylene glycol(1 H) to rabbit eyes produced mild irritation.

Cooper Hand Tools/Cheraw Plant MSDS for Spot-Mask™

INHALATION: Inhalation of 5000 ppm ammonia can cause immediate death from spasm, inflammation or edema of the larynx. Ethylene glycol is generally not well inhaled (due to low vapor pressure) unless heated or misted.

CHRONIC: Human volunteers were exposed for 20 to 22 H/day to between 1.4 to 27 ppm mean daily concentrations of ethylene glycol for 4 weeks. Some volunteers complained of throat irritation, low backache, and mild headache. Concentrations which exceeded 56 mg/m³ (approximately 21.7 ppm) for part of the day produced upper respiratory tract irritation in most of the volunteers. Volunteers found ethylene glycol concentrations of 80 ppm intolerable producing burning sensation along the trachea and burning cough.

OTHER: Ethylene glycol was negative in the mouse lymphoma and Salmonella assays and for the induction of chromosomal aberrations and sister-chromatid exchanges in cultured Chinese hamster ovary (CHO) cells.

12. ECOLOGICAL INFORMATION

No Data

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable local, state and federal regulations. Dispose per 40 CFR Part 261 and 262.

14. TRANSPORT INFORMATION

DOT: Not classified

15. REGULATORY INFORMATION

CANADIAN WHMIS: D2B

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Product is considered hazardous under the criteria of this rule.

CERCLA, 40 CFR Part 302(CERCLA): This product contains ethylene glycol, a CERCLA Reportable Quantity (RQ) Substance, and if 5,000 or more pounds are released, notification to the National Response Center in Wash., D.C. (1-800-424-8802) is required.

SARA 313 INFORMATION:

This product contains ethylene glycol(2.8%), a substance which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Acute Health Hazard

CALIFORNIA PROPOSITION 65: This product does not contain ingredients known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

KEY:

ACGIH: American Conference of Governmental Industrial Hygienists

IARC: International Agency for Research on Cancer

MSHA: Mine Safety and Health Administration

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

PNOC: Particulate Not Otherwise Classified

PNOR: Particulate Not Otherwise Regulated

TLV: Threshold Limit Values

DISCLAIMER

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