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MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Elmer's Products, Inc.
1000 Kingsmill Parkway
Columbus, OH 43229

Emergency Phone Number:
Poison Control Center
1-800-228-5635 ext. 022

For additional product information, access our website at www.elmers.com or call 1-888-435-6377.
To place an order, call 1-800-848-9400.

SUBSTANCE: ROSS RUBBER CEMENT

PRODUCT USE: adhesives

CREATION DATE: May 02 2003
REVISION DATE: Jun 17 2004

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: HEPTANE
CAS NUMBER: 142-82-5
PERCENTAGE: >70

COMPONENT: ISOPROPYL ALCOHOL
CAS NUMBER: 67-63-0
PERCENTAGE: 1-5

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=3 REACTIVITY=0

EMERGENCY OVERVIEW:

PHYSICAL FORM: liquid

ODOR: mild odor, solvent odor

MAJOR HEALTH HAZARDS: potentially fatal if swallowed, respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, allergic reactions

PHYSICAL HAZARDS: Flammable liquid and vapor. Vapor may cause flash fire.



POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation, changes in blood pressure, nausea, vomiting, stomach pain,

chest pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, emotional disturbances, hallucinations, loss of coordination, suffocation, internal bleeding, kidney damage, unconsciousness, coma

LONG TERM EXPOSURE: no information on significant adverse effects

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation, allergic reactions, absorption may occur, changes in blood pressure, nausea, vomiting, irregular heartbeat, headache, drowsiness, dizziness, loss of coordination

LONG TERM EXPOSURE: irritation

EYE CONTACT:

SHORT TERM EXPOSURE: irritation, eye damage

LONG TERM EXPOSURE: irritation

INGESTION:

SHORT TERM EXPOSURE: potentially fatal if swallowed, irritation, changes in blood pressure, nausea, vomiting, diarrhea, stomach pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, emotional disturbances, hallucinations, loss of coordination, internal bleeding, kidney damage, unconsciousness, coma

LONG TERM EXPOSURE: no information on significant adverse effects

4. FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

SKIN CONTACT: If bonding occurs, immerse the bonded surfaces in warm soapy water. Peel or roll the surfaces apart using a blunt edge, such as a spatula or spoon handle. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention, if needed.

EYE CONTACT: If bonding to tissues occurs, wash with large amounts of warm water. Cover both eyes with sterile, dry bandages. The eye will open without further action. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention.

INGESTION: If a large amount is swallowed, get medical attention.

NOTE TO PHYSICIAN: Mineral oil, vegetable oil, or petroleum jelly may help soften the bonding between skin surfaces. For skin contact, consider acetone or nitromethane.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Severe fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Vapor/air mixtures are explosive.

EXTINGUISHING MEDIA: carbon dioxide, regular dry chemical, regular foam, water

FIRE FIGHTING: Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

FLASH POINT: 25 F (-4 C) (TCC)

FLAMMABILITY CLASS (OSHA): IB**6. ACCIDENTAL RELEASE MEASURES****OCCUPATIONAL RELEASE:**

Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

7. HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Store in a tightly closed container. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Subject to storage regulations: U.S. OSHA 29 CFR 1910.106. Grounding and bonding required. See original container for storage recommendations. Keep separated from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION**EXPOSURE LIMITS:****HEPTANE:**

500 ppm (2000 mg/m³) OSHA TWA
400 ppm (1640 mg/m³) OSHA TWA (vacated by 58 FR 35338, June 30, 1993)
500 ppm (2050 mg/m³) OSHA STEL (vacated by 58 FR 35338, June 30, 1993)
400 ppm ACGIH TWA
500 ppm ACGIH STEL
85 ppm (350 mg/m³) NIOSH recommended TWA 10 hour(s)
440 ppm (1800 mg/m³) NIOSH recommended ceiling 15 minute(s)

ISOPROPYL ALCOHOL:**ISOPROPYL ALCOHOL (ISOPROPANOL; 2-PROPANOL):**

400 ppm (980 mg/m³) OSHA TWA
500 ppm (1230 mg/m³) OSHA STEL (vacated by 58 FR 35338, June 30, 1993)
200 ppm ACGIH TWA
400 ppm ACGIH STEL
400 ppm (980 mg/m³) NIOSH recommended TWA 10 hour(s)
500 ppm (1225 mg/m³) NIOSH recommended STEL

VENTILATION: Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

RESPIRATOR: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any chemical cartridge respirator with organic vapor cartridge(s).

Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s).

Any air-purifying respirator with a full facepiece and an organic vapor canister.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid

APPEARANCE: opaque

ODOR: mild odor, solvent odor

BOILING POINT: 194 F (90 C)

FREEZING POINT: Not available

VAPOR PRESSURE: Not available

VAPOR DENSITY (air=1): >1

SPECIFIC GRAVITY (water=1): 0.71

WATER SOLUBILITY: almost insoluble

PH: Not available

VOLATILITY: 90%

ODOR THRESHOLD: Not available

EVAPORATION RATE:

<1 (ether=1)>**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat. Keep out of water supplies and sewers.

INCOMPATIBILITIES: acids, bases, amines, oxidizing materials

HAZARDOUS DECOMPOSITION:

Thermal decomposition products: oxides of carbon

POLYMERIZATION: Will not polymerize.

11. TOXICOLOGICAL INFORMATION

HEPTANE:

TOXICITY DATA:

103 gm/m³/4 hour(s) inhalation-rat LC50

LOCAL EFFECTS:

Irritant: inhalation, skin, eye

ACUTE TOXICITY LEVEL:

Slightly Toxic: inhalation

TARGET ORGANS: central nervous system**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** respiratory disorders, skin disorders and allergies**ADDITIONAL DATA:** Stimulants such as epinephrine may induce ventricular fibrillation.**ISOPROPYL ALCOHOL:****IRRITATION DATA:**

500 mg skin-rabbit mild; 100 mg eyes-rabbit severe; 10 mg eyes-rabbit moderate; 100 mg/24 hour(s) eyes-rabbit moderate

TOXICITY DATA:

16000 ppm/8 hour(s) inhalation-rat LC50; 12800 mg/kg skin-rabbit LD50; 5000 mg/kg oral-rat LD50

CARCINOGEN STATUS: IARC: Human Inadequate Evidence, Animal Inadequate Evidence, Group 3; ACGIH: A4 -Not Classifiable as a Human Carcinogen**LOCAL EFFECTS:**

Irritant: inhalation, eye

ACUTE TOXICITY LEVEL:

Moderately Toxic: inhalation, ingestion

Slightly Toxic: dermal absorption

TARGET ORGANS: central nervous system**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** kidney disorders, liver disorders, respiratory disorders, skin disorders and allergies**MUTAGENIC DATA:** Available.**REPRODUCTIVE EFFECTS DATA:** Available.

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

14. TRANSPORT INFORMATION

U.S. DOT 49 CFR 172.101:**PROPER SHIPPING NAME:** Consumer commodity**HAZARD CLASS OR DIVISION:** ORM-D**LABELING REQUIREMENTS:** None**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:** No classification assigned.

15. REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):
Not regulated.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):
Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: Yes

CHRONIC: No

FIRE: Yes

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65):
ISOPROPYL ALCOHOL, STRONG ACID PROCESS ONLY

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

STATE REGULATIONS:

California Proposition 65: Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: D2B, B2.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All the components of this substance are listed on or are exempt from the inventory.

TSCA 12(b) EXPORT NOTIFICATION:

HEPTANE

CAS NUMBER: 142-82-5

SECTION 4

CANADA INVENTORY (DSL/NDL): All components of this product are listed on the DSL.

16. OTHER INFORMATION

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