

TECH RETREAD AND VULCANIZING CEMENT

Product: 1080

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Tech international
200 East Coshocton Street
P.O. Box 486
Johnstown, Ohio 43031.

Manufacturer emergency phone number: Chemtrec 800-424-9300.
International: 703-527-3887.

Supplier: Same as manufacturer.

Product name: Tech retread and vulcanizing cement (MSDS #1080)

Product uses: Rubber cement.

Catalog number(s): 1080

Effective date: 2007/02/28

Revision No.: 6

Last review: 2007/02/28

Chemical family: Mixture.

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|-------------------|
| HMIS |
| H 1 |
| F 3 |
| R 0 |
| PPE Sec. 8 |

NFPA:



Section 2 : INGREDIENT INFORMATION

| C.A.S. | Concentration% wgt/wgt | Ingredient Name | ACGIH-TLV TWA | LD/50 | LC/50 |
|------------|------------------------|----------------------------------|---------------|---------------|---------------|
| 64742-89-8 | 90 - 94 | SOLVENT NAPHTHA, LIGHT ALIPHATIC | 400 PPM | NOT AVAILABLE | NOT AVAILABLE |

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 64742-89-8: LC50 14000-16000 ppm/4H rat inhalation.
CAS# 64742-89-8: LD50 >25,000 mg/kg rat oral.
CAS# 64742-89-8: LD50 >5000 mg/kg rabbit dermal.

Section 3 : HAZARD IDENTIFICATION

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause irritation.

May cause redness and tearing.

May cause stinging.

May cause swelling.

Skin contact: May cause skin burns.

May cause mild irritation.

May cause drying and cracking.

May cause redness or burning sensation.

Inhalation: May cause metallic taste.

May cause weakness and fatigue.

May cause respiratory irritation.

May cause loss of coordination.

May cause drowsiness.

May cause unconsciousness.

May cause confusion.

May cause coma and death.

May cause headache, dizziness and nausea.

Breathing large amounts may be harmful.

May cause light headedness.

May cause nose and throat irritation.

May cause central nervous system depression.

Ingestion: May cause nausea, vomiting and diarrhea.

May cause gastro-intestinal irritation.

No hazard known for ingestion of small quantities.

Aspiration hazard if swallowed.

May cause central nervous system depression.

Effects of chronic exposure: May affect the liver and the kidneys.

Section 4 : FIRST AID MEASURES

Skin contact: Remove contaminated clothing.

Wash with mild soap and water.

Consult a physician if irritation persists.

Eye contact: Flush eyes with clear, running water for 20 minutes while holding eyelids open. If irritation persists, consult a physician.

Inhalation: Keep person warm and at rest.

Remove victim to fresh air. If breathing is difficult administer oxygen. If not

breathing, have qualified person give artificial respiration. Obtain medical attention.

Ingestion: If victim is drowsy or unconscious, place on left side with head down. Do not leave individual unattended.

Never give anything by mouth to an unconscious person.

Do not induce vomiting, seek immediate medical attention.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Extremely flammable.
- Conditions of flammability:** Vapours are heavier than air and may travel along the ground and be ignited by flames, sparks or other ignition sources at locations distant from the material handling point.
Heat, sparks and open flames.
- Extinguishing media:** Carbon dioxide, dry chemical, foam.
- Special procedures:** Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
- Auto-ignition temperature:** Not available.
- Flash point (°C), method:** <-12.2 (<10°F)
- Lower flammability limit (% vol):** 1.0
- Upper flammability limit (% vol):** 7.0
- Explosion Data**
- Sensitivity to static discharge:** Take precautionary measures against static discharge.
- Sensitivity to mechanical impact:** Not available.
- Hazardous combustion products:** Oxides of carbon (CO, CO₂).
Various hydrocarbons.
- Rate of burning:** Not available.
- Explosive power:** Product (even just residue) can ignite explosively.

Section 6 : ACCIDENTAL RELEASE MEASURES

- Leak/Spill:** Recover using a pump.
Eliminate all sources of ignition.
Dike area to prevent spreading.
Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Absorb residual material with sand or other absorbent material.
Stop leak if without risk.
Wear appropriate protective equipment.
Ground handling equipment.
Transfer to an approved container for disposal.
Notify the appropriate authorities as required.

Section 7 : HANDLING AND STORAGE

- Handling procedures and equipment:** Keep away from heat, sparks, and open flame.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Empty containers containing residue may cause a hazard.
Do not cut, grind, weld or drill empty container.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapor, fumes or mist.
Launder contaminated clothing prior to reuse.
Do not ingest.

Storage requirements: Store away from all sources of ignition.
Store away from strong acids or oxidizers.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Chemical resistant gloves.
Polyvinyl alcohol gloves.
Nitrile gloves.

Respiratory/Type:



NIOSH approved respirator, if necessary.
(negative pressure type).

Footwear/Type:



Impervious boots.

Clothing/Type: Impervious clothing.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Explosion proof ventilation equipment.
Local exhaust and/or general ventilation.
Provide sufficient mechanical ventilation to maintain exposure below TLV.

Exposure limit of material: Not available for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Black
Strong solvent odor.
Viscous liquid.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 36.8 @ 20°C (68°F)

Vapour density (air=1): >1

Volatiles (%)

By volume: 93.8

**Evaporation rate
(butyl acetate = 1):** Slower than ether.

Boiling point (°C): @ 760 mm Hg.
82.2 (180°F)

Freezing point (°C): Not available.

pH: Not available.
Specific gravity @ 20 °C: 0.74 @ 60°F
Solubility in water (%): Not available.
Coefficient of water\oil dist.: Not available.
VOC: 5.81 lbs/gal

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Product is stable.
Conditions of instability: None known.
Hazardous polymerization: Will not occur.
Incompatible substances: Strong acids.
Strong oxidizing agents.
Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: Not available for mixture, see section 2A.
LC50 of product, species & route: Not available for mixture see section 2A.
Sensitization to product: Not available.
Reproductive effects: Not available.
Teratogenicity: Not available.
Mutagenicity: Not available.
Synergistic materials: Not available.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.
Environmental fate: This material is expected to readily biodegrade.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with municipal, provincial and federal regulations.

Section 14 : TRANSPORT INFORMATION

ADR CLASSIFICATION: ADHESIVES
UN1133
Class 3
PG II.
Labels required: Flammable liquid.
Emergency response guidebook number: 128
EmS number: 3-05

Reportable Quantity (DOT): 100 lbs

Hazardous Waste Classification: D001

Special shipping information: See transportation information.

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| Section 15 : REGULATORY INFORMATION |
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EU Regulatory Information

European Union (EU) Regulatory Information: EU labeling required.

EU Risks: R11: Highly flammable.
R65: Harmful: may cause lung damage if swallowed.
R36/38: Irritating to eyes and skin.

EU Safety: S16: Keep away from sources of ignition – No smoking.
S25: Avoid contact with eyes.
S33: Take precautionary measures against static discharges.
S51: Use only in well-ventilated areas.

EINECS#: CAS# 64742-89-8 – EINECS# 232-443-2.

EU Classification: Highly flammable.
Harmful.

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| Section 16 : OTHER INFORMATION |
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Supplier MSDS date: 2003/04/07

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