

TECH FLOW SEAL VULCANIZING FLUID

Product: 768

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Product name: Tech Flow Seal Vulcanizing Fluid

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

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

Supplier: Same as manufacturer.

Product uses: Rubber cement.

Catalog number(s): 768, 769, 770

Effective date: 2008/12/02

Revision No.: 8

Last review: 2008/12/02

HMIS
H 1
F 3
R 0
PPE Sec. 8

NFPA:



Section 2 : INGREDIENT INFORMATION

C.A.S.	Concentration% wgt/wgt	Ingredient Name	OSHA-PEL TWA	OSHA-PEL STEL	ACGIH-TLV TWA	ACGIH-TLV STEL	NIOSH REL TWA	NIOSH REL STEL	NIOSH IDLH
64742-89-8	90-94	SOLVENT NAPHTHA, LIGHT ALIPHATIC	500 PPM		400 PPM		86 PPM		

Section 2A: ADDITIONAL INGREDIENT INFORMATION
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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.

*: Consists of a complex stream of predominantly C6 to C9 hydrocarbons, exact composition varies.

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 redness.

May cause burns.

May cause cracking.

May cause drying.

May cause mild irritation.

Inhalation: Vapors may be harmful.

May cause metallic taste.

May cause weakness and fatigue.

May cause respiratory irritation.

May cause unconsciousness.

May cause confusion.

May cause coma and death.

Breathing large amounts may be harmful.

May cause light headedness.

May cause nose and throat irritation.

Inhalation overexposure can lead to central nervous system depression producing effects such as headache, nausea, dizziness and loss of coordination.

May cause lung damage.

Vapors may cause irritation.

Ingestion: May cause nausea, vomiting and diarrhea.

May cause gastro-intestinal irritation.

May be fatal if ingested.

Aspiration hazard if swallowed.

May cause central nervous system depression.

Low oral toxicity in small amounts.

Effects of chronic exposure: May affect the central nervous system.

May affect the liver.

May affect the kidneys.

May affect the skin and eyes.

Section 4 : FIRST AID MEASURES

Skin contact: Remove contaminated clothing.

Wash thoroughly with soap and water.

Seek medical attention 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: Obtain immediate medical attention.

Rinse mouth with water several times.

Do not induce vomiting.

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.

If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus.

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 may travel to a source of ignition and flash back.
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: Firefighters should wear the usual protective gear.
Wear a self-contained breathing apparatus with full face piece, positive pressure or pressure demand.

Auto-ignition temperature: Not available.

Flash point (°C), method: -6.7°C (20°F)

Lower flammability limit (% vol): 1.0

Upper flammability limit (% vol): 8.0

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Protect against physical damage.

Hazardous combustion products: Carbon monoxide (CO).
Carbon dioxide (CO₂).
Various hydrocarbons.

Rate of burning: Not available.

Explosive power: Product (even just residue) can ignite explosively.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: 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.
Stay upwind.
Remove to non-leaking containers for disposal.
Use water spray to reduce vapors.
Remove with vacuum trucks or pump to salvage vessels.
Rinse away trace residues.

Section 7 : HANDLING AND STORAGE

- Handling procedures and equipment:** Maintain a good personal hygiene.
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 incompatible materials.
Keep away from heat, sparks, and open flames.
Store in a room or area suitable for the storage of flammable materials.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Chemical resistant gloves.
Polyvinyl alcohol gloves.
Nitrile gloves.

Respiratory/Type:



If exposure limit is exceeded, wear a NIOSH approved respirator.
(negative pressure type).

Eye/Type:



Splash proof chemical goggles.

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.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Strong solvent odor.
High viscosity liquid.
Light amber liquid.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): @ 37.7°C (100°F).
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Vapour density (air=1): 3.30

Volatiles (%)

By volume: 95.3%

**Evaporation rate
(butyl acetate = 1):** 3.6

Boiling point (°C): (initial boiling point).
@ 760 mm Hg.
98.3 – 110°C (209 – 230°F)

Freezing point (°C): Not available.

pH: Not available.

Specific gravity @ 20 °C: (water = 1).
0.75 @ 15.5°C (60°F)

Solubility in water (%): Not available.

Coefficient of water\oil dist.: Not available.

VOC: 5.90 lbs/gal (707.7 g/l)

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 the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

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

Sensitization to product: Not available.

Reproductive effects: Not available.

Teratogenicity: Not available.
Mutagenicity: None known.
Synergistic materials: Not available.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.
Environmental fate: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with local and federal regulations.
Unused product is RCRA ignitable (D001).
Hazardous Waste Classification: D001

Section 14 : TRANSPORT INFORMATION

DOT: ADHESIVES
UN1133
Class 3
PG II.

Labels required: Flammable liquid.

Emergency response guidebook number: 128

EmS number: 3-05

Special shipping information: See DOT, IATA and/or IMDG regulations before shipping any hazardous material.

Section 15 : REGULATORY INFORMATION

USA Regulatory Information

SARA hazard categories sections Immediate (Acute) Health Hazard: Yes.
311/312: Delayed (Chronic) Health Hazard: Yes.
Fire Hazard: Yes.
Sudden Release of Pressure: No.
Reactive: No.

SARA Section 313: These following substances are constituents of Light Aliphatic Naphtha. They are naturally present and have not been added as ingredients: .
N-Heptane (CAS# 142-82-5) – 16%.

CERCLA reportable quantity: This material is covered by the CERCLA Petroleum Exclusion, therefore, releases to air, land or water are not reportable under EPA-CERCLA ("SUPERFUND").

TSCA inventory: All ingredients are listed on the TSCA inventory.

Section 16 : OTHER INFORMATION

Data prepared by: Global Safety Management
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