

TECH CHEMICAL VULCANIZING FLUID

Product: 760 SERIES

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

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.

Information phone number: 740-967-9015.
800-433-8324.

Supplier: Same as manufacturer.

Product name: Tech Chemical Vulcanizing Fluid

Product uses: Rubber adhesive.

Catalog number(s): 760 series, 761, 762, 763 series, 764IP,
765IP, 766IP, 767IP, 770

TDG classification: ADHESIVES
UN1133
Class 3
PG II.



Labels required: Flammable liquid.

Emergency response guidebook number: 128

EmS number: 3-05

Hazardous Waste Classification: D001

Additional shipping information: 1 Qt(1L) containers may be shipped as a Consumer Commodity, (ORM-D Domestic US).
1 Qt(1L) containers may be shipped as Limited Quantity of Dangerous Goods of Class 3.

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HMIS
H 1
F 3
R 0
PPE Sec. 7

NFPA:



Section 2: HAZARDOUS INGREDIENTS

C.A.S.	Concentration% wgt/wgt	Ingredient Name	ACGIH-TLV TWA	LD/50	LC/50
5459-93-8	<1	N-ETHYLCYCLOHEXYLAMINE		590 MG/KG RAT ORAL 750 UL/KG RABBIT DERMAL	NOT AVAILABLE
64742-89-8	*>93	SOLVENT NAPHTHA, LIGHT ALIPHATIC	400 PPM	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).

CAS# 64742-89-8: LD50 >2,840 mg/kg rat dermal.

CAS# 64742-89-8: LD50 >7,100 mg/kg rat oral.

CAS# 5459-93-8: LD50 377 mg/kg rat oral.

CAS# 5459-93-8: LD50 750 mg/kg rabbit dermal.

CAS# 64742-89-8: TLV 400 ppm (skin).

*: Consists of a complex stream of predominantly C5 to C10 hydrocarbons, exact composition varies.

Section 3: PHYSICAL DATA

Physical state: Liquid.

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

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): @ 20°C (68°F).
38

Vapour density (air=1): 3.30

Volatiles (%)

By volume: 93.9

**Evaporation rate
(butyl acetate = 1):** 3.2

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: 5.77 lbs/gal (696.6 g/L)

Section 4: FIRE & EXPLOSION DATA

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: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature: Not available.

Flash point (°C), method: -6.7 (20°F)

Lower flammability limit (% vol): 1.1

Upper flammability limit (% vol): 7.5

Explosion Data

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

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Not available.

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

Section 5: REACTIVITY DATA

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: Carbon monoxide.
Various hydrocarbons.
Carbon dioxide.

Section 6: TOXICOLOGICAL PROPERTIES

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: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
May cause kidney effects.
Contains an ingredient which may be corrosive.

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: Cardiac sensitization may occur.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: None known.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

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).

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: Provide ventilation capable of maintaining emissions below the TLV.
Explosion proof ventilation equipment.
Local exhaust and/or general ventilation.
Provide sufficient mechanical ventilation to maintain exposure below TLV.

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.

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

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.
Air-dry contaminated clothing in a well-ventilated area before laundering.

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.

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

Section 8: FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.
- Eye contact:** Flush with water for at least 15 minutes, holding eyelids open with fingers.
Consult a physician if irritation persists.
- 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 9: ADDITIONAL INFORMATION

- General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.
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