

# TECH TIRE SEAL

Product: 709

## 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 Tire Seal (MSDS# 707HD)

**Product uses:** Tire sealant.

**Catalog number(s):** 707, 708, 709, 714

**Effective date:** 2007/02/28

**Revision No.:** 5

**Last review:** 2007/02/28

**Chemical family:** Mixture.

### HMIS

**H** 1

**F** 0

**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
107-21-1	48	ETHYLENE GLYCOL	NOT AVAILABLE	4700 MG/KG RAT ORAL  5500 MG/KG MOUSE ORAL  9530 UL/KG RABBIT DERMAL	NOT AVAILABLE

### Section 3 : HAZARD IDENTIFICATION

**Route of entry:** Skin contact, eye contact, 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:** Not a likely route of exposure.

**Ingestion:** May cause nausea, vomiting and diarrhea.

May cause gastro-intestinal irritation.

No hazard known for ingestion of small quantities.

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

May affect the liver and the kidneys.

### Section 4 : FIRST AID MEASURES

**Skin contact:** 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:** No first aid should be needed.

**Ingestion:** Get medical attention immediately.

Never give anything by mouth to an unconscious person.

If conscious, give water and induce vomiting.

**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:** Not flammable.

**Conditions of flammability:** Surrounding fire.

**Extinguishing media:** Dry chemical.

Foam

Water

Carbon dioxide.

**Special procedures:** Self-contained breathing apparatus required.

Firefighters should wear the usual protective gear.

**Auto-ignition temperature:** Not available.

**Flash point (°C), method:** Not available.

**Lower flammability  
limit (% vol):** 3.2%

**Upper flammability  
limit (% vol):** 15.3%

**Explosion Data**

**Sensitivity to static discharge:** Not available.

**Sensitivity to mechanical impact:** Not available.

**Hazardous combustion products:** Oxides of carbon (CO, CO<sub>2</sub>).  
Various hydrocarbons.

**Rate of burning:** Not available.

**Explosive power:** Not available.

<b>Section 6 : ACCIDENTAL RELEASE MEASURES</b>
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**Leak/Spill:** Absorb with inert material.  
Dike area to prevent spreading.  
Prevent entry into drains, sewers, and other waterways.  
Wear appropriate protective equipment.  
Place in a chemical waste container for disposal.

<b>Section 7 : HANDLING AND STORAGE</b>
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**Handling procedures and equipment:** Maintain a good personal hygiene.  
Use adequate ventilation.  
Wash thoroughly after using, particularly before eating or smoking.  
Wear personal protective equipment appropriate to task.  
Avoid contact with skin, eyes and clothing.  
Launder contaminated clothing prior to reuse.  
Do not ingest.

**Storage requirements:** Store at room temperature.  
Keep from freezing.  
Store away from strong acids or oxidizers.

<b>Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Precautionary Measures**

**Gloves/Type:**



Chemical resistant gloves.  
Polyvinyl alcohol gloves.  
Nitrile gloves.

**Respiratory/Type:** None required under normal use.

**Footwear/Type:** As per local regulations.

**Clothing/Type:** As required to prevent skin contact.

**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:** White  
Viscous.  
Mild surfactant odor.

**Odor threshold (ppm):** Not available.

**Vapour pressure (mmHg):** @ 20°C (68°F).  
0.06

**Vapour density (air=1):** Not applicable.

**Volatiles (%):** 48%

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

**Boiling point (°C):** @ 760 mm Hg.  
>121.1 (>250F)

**Freezing point (°C):** Not available.

**pH:** 8.9

**Specific gravity @ 20 °C:** (water = 1).  
1.08

**Solubility in water (%):** Not available.

**Coefficient of water\oil dist.:** Not available.

**VOC:** 4.32 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:** Oxides of carbon (CO, CO2).  
Various hydrocarbons.

## Section 11 : TOXICOLOGICAL INFORMATION

**LD50 of product, species & route:** Not available for mixture, see the ingredients section.

**LC50 of product, species & route:** Not available.

**Sensitization to product:** Not available.

**Reproductive effects:** Not available.

**Teratogenicity:** Ethylene glycol is reported as causing teratogenic effects in animals.

**Mutagenicity:** Not available.

**Synergistic materials:** Not available.

## Section 12 : ECOLOGICAL INFORMATION

**Environmental toxicity:** Toxic to fish.

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

## Section 13 : DISPOSAL CONSIDERATIONS

**Waste disposal:** In accordance with municipal, provincial and federal regulations.  
Do not puncture or incinerate containers.

## Section 14 : TRANSPORT INFORMATION

**ADR CLASSIFICATION:** Not regulated.

**Labels required:** None

**Emergency response guidebook number:** Not applicable.

**EmS number:** Not applicable.

**Reportable Quantity (DOT):** Ethylene Glycol – 5000 lb (2260 kg).

**Hazardous Waste Classification:** Not available.

**Special shipping information:** See transportation information.

## Section 15 : REGULATORY INFORMATION

### EU Regulatory Information

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

**EU Risks:** R22: Harmful if swallowed.  
R36/38: Irritating to eyes and skin.

**EU Safety:** S24/25: Avoid contact with skin and eyes.

**EINECS#:** CAS# 107-21-1 – EINECS# 203-473-3.

**EU Classification:** Harmful.

## Section 16 : OTHER INFORMATION

**Supplier MSDS date:** 2004/10/27

**Data prepared by:** Global Safety Management  
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