



# Safety Data Sheet

## Tire Sealant Mixture

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** Tire Sealant Mixture, Armor Formula

**Synonyms/Generic Names:** Tire Sealant

**Product Number:**

**Product Use:** Tire Sealant

**Manufacturer:** Multi Seal Corp  
407 Alana Lane  
Spring, Tx 77386

**For More Information Call:** (800) 577-3353 (Monday-Friday 8:00-4:30)

**In Case of Emergency Call:** CHEMTREC - 800-424-9300 or 703-527-3887 (24 Hours/Day, 7 Days/Week)

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### 2. HAZARDS IDENTIFICATION

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**OSHA Hazards:** Target organ effect, Harmful by ingestion, Irritant, Teratogen

**Target Organs:** Liver, Cardiovascular system, Eyes, Kidney, Central nervous system

**Signal Words:** Warning

**Pictograms:**



**GHS Classification:**

Acute toxicity, Oral	Category 4
Eye irritation	Category 2B

**GHS Label Elements, including precautionary statements:**

**Hazard Statements:**

H302	Harmful if swallowed.
H320	Causes eye irritation, skin irritation.

**Precautionary Statements:**

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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### Potential Health Effects

<b>Eyes</b>	Causes eye irritation.
<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Ingestion</b>	Toxic if swallowed.

### NFPA Ratings

<b>Health</b>	2
<b>Flammability</b>	0
<b>Reactivity</b>	0
<b>Specific hazard</b>	Not Available

### HMIS Ratings

<b>Health</b>	1
<b>Fire</b>	0
<b>Reactivity</b>	0

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	CAS #	EINECS# / ELINCS#	Formula	Molecular Weight
Ethylene Glycol*	50	107-21-1	203-473-3	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	62.07 g/mol

\*Less than 50% in mixture. Remaining components not reportable at concentrations in the mixture.

## 4. FIRST-AID MEASURES

<b>Eyes</b>	In case of eye contact, rinse with plenty of water and seek medical attention.
<b>Inhalation</b>	Move casualty to fresh air. Get medical attention if symptomatic.
<b>Skin</b>	Immediately flush with plenty of water.
<b>Ingestion</b>	<b>Do Not Induce Vomiting!</b> Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media</b>	Non-flammable. Use appropriate media for adjacent fire. Cool containers with water.
<b>Special protective equipment and precautions for firefighters</b>	None required.
<b>Specific hazards arising from the chemical</b>	None.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions</b>	Prevent spillage from entering drains.
<b>Methods and materials for containment and cleaning up</b>	Wipe up small spills with absorbent cloth then place in a suitable container for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

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## 7. HANDLING AND STORAGE

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### Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

### Conditions for safe storage, including any incompatibilities

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Occupational exposure controls:

Component	Exposure Limits	Basis	Entity
Ethylene Glycol*	100 mg/m <sup>3</sup>	STEL	ACGIH
	50 ppm 125 mg/m <sup>3</sup>	STEL	OSHA

\* Less than 50% of mixture. Remaining components not –reportable at mixture concentrations

### Personal Protection

<b>Eyes</b>	Protect from splashing; wear safety glasses when handling product.
<b>Inhalation</b>	General room ventilation is expected to be adequate.
<b>Skin</b>	Handle material to avoid skin contact. Wash with water as required.
<b>Other</b>	Not Available

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance (physical state, color, etc.)	Red thick liquid.
Odor	Odorless.
Odor threshold	Not Available
pH	Not Available
Melting point/freezing point	-40 deg. C (-40 deg F.)
Initial boiling point	>100 deg. C
Flash point	Not applicable due to boiling
Evaporation rate	1
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limit	N/A
Vapor pressure	Unknown

Vapor density	Not applicable
Density	1.1088 (Water = 1)
Solubility (ies)	Soluble in cold water, hot water except insoluble solids in the mixture.
Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	Not applicable due to boiling
Decomposition temperature	Not Available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur.
<b>Conditions to Avoid</b>	Not Available
<b>Incompatible Materials</b>	Strong acids, strong oxidizing agents, strong bases
<b>Hazardous Decomposition Products</b>	None

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity (Ethylene glycol)

<b>Skin</b>	LD50 Dermal - rabbit - 10,626 mg/kg
<b>Eyes</b>	Eyes - rabbit - Mild eye irritation - 24 h
<b>Respiratory</b>	Not Available
<b>Ingestion</b>	LD50 Oral - rat - 4,700 mg/kg

### Carcinogenicity

<b>IARC</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH</b>	A4: Not classifiable as a human carcinogen.
<b>NTP</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>OSHA</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Signs & Symptoms of Exposure

<b>Skin</b>	Irritation, redness, itchiness.
<b>Eyes</b>	Irritation, redness, watering eyes, itchiness.
<b>Respiratory</b>	Respiratory failure, convulsions, cardiovascular collapse, pulmonary edema.
<b>Ingestion</b>	Nausea, vomiting, abdominal pain, weakness, muscle tenderness.

<b>Chronic Toxicity</b>	Not Available
<b>Teratogenicity</b>	Not Available
<b>Mutagenicity</b>	Not Available
<b>Embryotoxicity</b>	Not Available
<b>Specific Target Organ Toxicity</b>	Not Available
<b>Reproductive Toxicity</b>	Not Available

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity (Listed Ingredient – Ethylene glycol)

<b>Aquatic Vertebrate</b>	LC50 - Oncorhynchus mykiss (rainbow trout) - 18,500 mg/l - 96 h LC50 - Leuciscus idus (Golden orfe) - > 10,000 mg/l - 48 h NOEC - Pimephales promelas (fathead minnow) - 32,000 mg/l - 7 d NOEC - Pimephales promelas (fathead minnow) - 39,140 mg/l - 96 h
<b>Aquatic Invertebrate</b>	EC50 - Daphnia magna (Water flea) - 74,000 mg/l - 24 h NOEC - Daphnia - 24,000 mg/l - 48 h LC50 - Daphnia magna (Water flea) - 41,000 mg/l - 48 h
<b>Terrestrial</b>	Not Available

<b>Persistence and Degradability</b>	Not Available
<b>Bioaccumulative Potential</b>	Other fish - 61 d Bioconcentration factor (BCF): 0.60
<b>Mobility in Soil</b>	Not Available
<b>PBT and vPvB Assessment</b>	Not Available
<b>Other Adverse Effects</b>	Not Available

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## 13. DISPOSAL CONSIDERATIONS

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<b>Waste Residues</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
<b>Product Containers</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

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## 14. TRANSPORTATION INFORMATION

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US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods
IMDG	Not Dangerous Goods
Marine Pollutant	No
IATA/ICAO	Not Dangerous Goods

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## 15. REGULATORY INFORMATION

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TSCA Inventory Status	8-51-224
CLP Regulation	Not Listed
California Proposition 65	Not Listed
SARA 302	Not Listed
SARA 304	Not Listed
SARA 311	Not listed
SARA 312	Acute Health Hazard, Chronic Health Hazard
SARA 313	For the Listed Ingredient: Ethylene Glycol 107-21-1 CERCLA RQ 5,000
WHMIS Canada	CLASS D-2: Material causing other toxic effects

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## 16. OTHER INFORMATION

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Revision	Date
Revision 1	03-07-2015

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