



SAFETY DATA SHEET

Issue Date 7/7/2015

Revision Date 1/13/2020

Version 1

1. IDENTIFICATION

Product identifier

Product Name: Extreme Duty Tire Sealant

Other means of identification

Product code: F-1003

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended Use: Tire Sealant

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier Address

FRONTIER PERFORMANCE LUBRICANTS INC

PO BOX 1777

LODI, CA 95241

Phone: (800)-807-4496

Fax: (209)-334-6408

Emergency telephone number

Emergency Telephone: PERS (800)-633-8253

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not a Hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a Hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	CAS#	EINECS#/ELINCS#	Formula	Molecular Weight
Propylene glycol*	<50	57-55-6	200-388-0	C ₂ H ₈ O ₂	76.09 g/mol

*~50% of mixture. Remaining proprietary components not at reportable concentrations.

Synonyms: 1,2-Propanediol

4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water for 15 minutes as a precaution. Rinse mouth with water.

If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.
Indication of any immediate medical attention and special treatment needed	No data available.

5. FIRE-FIGHTING MEASURES

Extinguishing media	N/A - Non-flammable
Special hazards arising from the substance or mixture	No data available
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safety. See section 8 for recommendations on the use of personal protection equipment.
Environmental precautions	Non-Hazardous to the environment..
Methods and materials for containment and cleaning up.	Soak up with inert absorbent material and dispose in a suitable container. Dispose of waste and cleanup materials in accordance with regional/local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapors or mist. For precautions see section 2
Conditions for safe storage, including and incompatibilities	Store in a cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).
Specific end use(s)	Apart from the use listed in section 1 no other specific uses are recommended.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (Propylene glycol)

Components with workplace control parameters

Component	CAS-No	Value	Control parameters	Basis
Propylene glycol*	57-55-6	TWA	10mg/m ³	USA. ACGIH TLV

*<50% of mixture. Remaining components not at reportable concentrations.

Exposure controls

Appropriate engineering control	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.
Personal protective equipment	
Eye/face protection	Protect from splashing; wear safety glasses when handling.
Inhalation	Non-volatile at standard temperatures and pressures. Standard ventilation is expected to be adequate.
Skin	Handle material to avoid skin contact. Wash contacted areas with water as required to avoid skin irritation.
Other Recommendations	

Use normal good housekeeping practices. Handle with care to prevent contact with skin and eyes. Rinse with water as necessary. Dispose of containers in accordance with federal, state and local regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Red/Pink, viscous, heterogeneous mixture
Odor	Essentially odorless
Odor threshold	No data available
pH	8-10
Melting point/freezing point	-35°C
Initial boiling point	No Data Available
Flash point	Non-flammable
Evaporation rate	No Data Available
Flammability (solid/gas)	Non-flammable
Upper/lower flammability or explosive limit	Not applicable
Vapor pressure	No Data Available
Vapor density	No Data Available
Density	1.03 g/mL
Water solubility	Liquid constituents miscible with water. Solid constituent's insoluble.
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	Non-flammable
Decomposition temperature	No Data Available

10. STABILITY AND REACTIVITY

Reactivity	No Data Available
Chemical Stability	Stable under recommended storage and usage conditions.
Possible hazardous reactions	No Data Available
Conditions to avoid	No Data Available
Incompatible materials:	Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (Ethylene glycol) LD50 Oral – Rat – 20,000mg/mg

LD50 Intramuscular – Rat – 14g/kg

LD50 Intravenous – Dog – 26 kg

LD50 – Intraperitoneal – Rat – 6,600 mg/kg

LD50 – Subcutaneous – Rat – 22,500 mg/kg

LD50 Intravenous – Rat – 6,423 mg/kg

LD50 Intraperitoneal – Mouse – 9,718 mg/kg

Remarks: Lungs, Thorax or Respiration: Chronic pulmonary edema. Kidney, Ureter, Page 4 of 6

Bladder: Changes in both tubules and glomeruli. Blood: Changes in spleen

LD50 Subcutaneous – Mouse – 17,370 mg/kg

Remarks: Behavioral: Change in motor activity (specific assay). Behavioral: Muscle contraction or spasticity. Cyanosis.

LD50 – Intravenous – Mouse – 6,630 mg/kg

LD50 – Intravenous – Rat – 6,500 mg/kg

Inhalation No Data Available.

Skin corrosion/irritation Skin Human – Mild skin irritation 0 7 d

Serious eye damage/eye irritation Eyes Rabbit – Mild eye irritation

Respiratory or skin sensitization No Data Available

Germ cell mutagenicity No Data Available

Carcinogenicity	This product is or contains a component that is probably not carcinogenic based on its IARC, ACGIH, NTP or EPA classification.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No Data Available

Specific target organ toxicity – repeated exposure

No Data Available

Aspiration hazard

No Data Available

Additional information

RTECS: TY2000000 (Propylene glycol)

Gastrointestinal disturbance, nausea, headache, vomiting, central nervous system depression, to the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

TOXICITY

Toxic to fish mortality NOEC – Pimephales (fathead minnow) – 52,930 mg/l – 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 – Daphnia magna (Water flea) – 10,000 mg/L – 48 h

Persistence and degradability No Data Available

Bioaccumulative potential No Data Available

Mobility in soil No Data Available

Results of PBT and vPvB assessment

No Data Available

Other adverse effects No Data Available

13. DISPOSAL CONSIDERATIONS

Waste residues

Users should review their operations with respect to applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposal.

Product containers

Users should review their operations with respect to applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposal.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components No chemicals in this material with known CAS numbers are subject to the reporting requirements of SARA Title III, Section 313

SARA 311/312 Hazards No SARA Hazards

Massachusetts Right to Know Components

No components subject Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

Propane-1,2-diol CAS-No. 57-55-6 Rev Date 2007-03-01

New Jersey Right to Know Components

Propane-1,2-diol CAS-No. 57-55-6 Rev Date 2007-03-01

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION**Issue Date**

7/7/2015

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1/13/2020

Revision Note

Not applicable

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet