



SAFETY DATA SHEET

Issue Date 7/7/2015

Revision Date 1/13/2020

Version 1

1. IDENTIFICATION

Product identifier

Product Name: Heavy Duty Tire Sealant

Other means of identification

Product code: F-1001

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.) | Orange, 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

Revision Date

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