



SAFETY DATA SHEET

Version 1
8/2/2016

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Tire Sealant, ARMOR 3500 Formula

Product Number: 21101

Brand: Multi Seal

Manufacturer: Multi Seal Corp

407 Alana Lane

Spring, TX 77386

1.2 **Product Use:** Tire Sealant; Tire Flat Preventative

1.3 **For More Information, Call:** 800-577-3353

1.4 **Emergency Telephone Number:** 800-577-3353

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 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 ₃ H ₈ O ₂	76.09 g/mol

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

3.1 Synonyms: 1,2-Propanediol

4. FIRST AID MEASURES

4.1 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. Consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 **Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 **Indication of any immediate medical attention and special treatment needed:** No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media: N/A - Non-flammable

5.2 Special hazards arising from the substance or mixture: No data available

5.3 Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information: No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. See section 8 for recommendations on the use of personal protection equipment.

6.2 Environmental precautions

Non-hazardous to the environment.

6.3 Methods and materials for containment and cleaning up.

Soak up with inert absorbent material and dispose in a suitable container. Clean surfaces thoroughly with water. Dispose of waste and cleanup materials in accordance with regional/local regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapors or mist. For precautions see section 2.2

7.2 Conditions for safe storage, including and incompatibilities

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

7.3 Specific end use(s)

Apart from the use listed in section 1.2 no other specific uses are recommended.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 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. Workplace Environmental Exposure Levels (WEEL)

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

8.2 Exposure controls

Appropriate engineering control

Handle in accordance with good industrial hygiene and safety practices. Wash hands after contact 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

10.1 Reactivity: No Data Available

10.2 Chemical Stability: Stable under recommended storage and usage conditions.

10.3 Possible hazardous reactions: No Data Available

10.4 Conditions to avoid: No Data Available

10.5 Incompatible materials: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents.

11. TOXICOLOGICAL INFORMATION(Propylene glycol)

11.1 Acute Toxicity (Propylene 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,

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 does not contain any components that are carcinogenic based on 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

Specific target organ toxicity – Single 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(Propylene glycol)

12.1 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

12.2 Persistence and degradability

No Data Available

12.3 Bio accumulative potential

No Data Available

12.4 Mobility in soil

No Data Available

12.5 PBT and vPvB

No Data Available

12.5 Other adverse effects

No Data Available

13. DISPOSAL CONSIDERATIONS

13.1 Waste residues

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

13.2 Product containers

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

14. TRANSPORTATION 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

Revision	Date	Reason
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