



SPECIALIZED LUBRICANTS

1. Substance/Product Identification

Product Name: 743 Schaeffer Seal™ Tire Sealant

Company/Address: Schaeffer Mfg
102 Barton Street
Saint Louis, Missouri 63104
USA

Preparation/Revision Date: 07/21/2014

Product Use/Type: tire sealant

Emergency Phone Number: +1 314 865-4105 (24-hour response number)
+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)
1-800-325-9962 (US & Canada) Website:

www.schaefferoil.com

SDS Number: 743 Version 1.1

2. Hazards Identification

Appearance: White, opaque liquid

Odor: Mild



Principal Hazards: Danger!

Causes skin irritation.

Causes eye irritation.

Harmful if swallowed.

May be harmful if swallowed and enters airways.

May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Do not get in eyes, on skin or on clothing.

Do not use while eating or drinking to avoid ingestion.

Mists may cause irritation to the respiratory tract. Overexposure may cause CNS depression.

Wear protective gloves/clothing/eye wear/face protection.

MAY BE FATAL IF SWALLOWED. Aspiration hazard if swallowed—can enter lungs and cause damage.

CAUTION: Contains material that caused birth defects in rats and mice. Avoid exposure during pregnancy.

See Section 11 for complete health hazard information

Product Name: 743 Schaeffer Seal™ Tire Sealant

3. Composition and Information on Ingredients

Hazardous Ingredients

Ingredient Name	CAS number	EU Number	Percentage (wt.)
Ethylene Glycol	107-21-1	203-473-3	30-50

4. First Aid Measures

Ingestion: Do not induce vomiting. If person is conscious, wash out mouth with water. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek medical attention immediately.

Eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. If eye irritation persists seek medical attention.

Inhalation: Remove exposed person to fresh air if adverse effects are observed. If breathing is difficult, have trained person administer oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If unconscious, place in recovery position and seek medical attention. Loosen tight clothing such as collar, tie, belt, or waistband. If heart has stopped, trained personnel should begin CPR. Get medical attention if breathing becomes difficult or symptoms persist.

Skin: Wash with soap and water. Remove contaminated clothing, taking care not to contaminate eyes. If skin irritation occurs or persists seek medical attention. Wash contaminated clothing before reuse, discard contaminated shoes.

Additional Information: Note to physician: treat symptomatically.

5. Fire Fighting Measures

Flash Point: 232°F (111°C)

Extinguishing Media: Use an extinguishing agent suitable for surrounding fire.

Firefighting Procedures: Wear self-contained breathing apparatus and full protective gear.

Unusual Fire & Explosion: In a fire, or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Spill Procedures and Clean up methods: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains, and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state, and federal regulations.

Personal Precautions: Wear appropriate personal protective equipment when cleaning up spills.

7. Handling & Storage

Handling: Wear appropriate personal protective equipment. Use with adequate ventilation. Avoid exposure during pregnancy. Do not premix with other chemicals.

Storage: Keep away from heat, flame or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store away from strong oxidizing agents.

Container Warnings: Store containers in a cool, dry location, away from direct sunlight, sources of intense heat or where freezing is possible. Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid and/or vapor) and should not be reused. Empty containers should be completely drained, properly closed and promptly returned to a drum reconditioner or disposed of properly.

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8. Exposure Controls and Personal Protection

Occupational Exposure Limits

Ingredient	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Ethylene Glycol	50 ppm	N/E	100 mg/m ³	N/E

(N/E) – not established

Other Exposure Limits: Under conditions which may generate mists, observe OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter for oil mists.

Engineering Controls: If adequate ventilation is not available or there is a potential for airborne exposure above the exposure limits, wear a NIOSH approved respirator that provides adequate protection from the measured concentrations of this material.

Gloves: chemical resistant gloves

Protective Clothing: Normal materials handling clothing.

Eye Protection: Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact.

Skin Protection: Chemical resistant gloves.

Respiratory Protection: Use only in a well ventilated area. In applications containing time weighted exposures of (0.5 to 5 mg/m³) NIOSH recommends that inhalation can be reduced through improved ventilation or a mist collection process. In the event that these methods are not applicable, NIOSH recommends the use of an air purifying, half mask respirator, standard or disposable type equipped with any P or R series particulate filter. If continuous exposure exceeds 5 mg/m³ it is highly recommended by NIOSH to use an air purifying respirator equipped with a hood or helmet and a HEPA filter. If persistent respiratory problems occur when mist levels are less than 0.5 mg/m³, it is then the individual's responsibility to seek a recommendation from a qualified health care provider for personalized respiratory protection.

9. Physical and Chemical Properties

Flash Point: 232°F (111°C)

Specific Gravity: 1.020

Upper Flammable Limit (UEL): Not determined

Lower Flammable Limit (LEL): Not determined

Evaporation Rate (Butyl Acetate = 1): <1

Vapor Pressure: <0.1 mmHg @ 20°C

Vapor Density (Air = 1): >1

% Volatile/Volume: 95%

pH: 8.5 (neat)

Boiling Point: Not determined

Auto-Ignition Temperature: Not determined.

Appearance: White, opaque liquid

Odor: Mild

Solubility in Water: Soluble

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified

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10. Stability and Reactivity

Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Reactivity: Not reactive under normal conditions.

Materials to Avoid: Strong oxidizers

Polymerization: Not expected to occur during conditions of normal use.

Hazardous Combustion Products: carbon monoxide and carbon dioxide

Conditions to Avoid: Heat, flame and sparks. Do not mix with other chemicals.

11. Toxicological Information

Routes of Exposure: Skin, eyes, ingestion and inhalation

Target Organs: Skin, eyes, upper respiratory tract

Acute Exposure

Ingestion: Harmful if swallowed. May cause irritation to the mouth, throat or stomach. May cause nausea, diarrhea or vomiting.

Eye Contact: May cause irritation. Causes redness, tearing, blurred vision.

Skin Contact: May cause skin irritation. Symptoms may include redness, edema, drying and cracking of skin.

Inhalation: Headache, nausea, or drowsiness may occur.

Carcinogenicity: This product does not contain greater than 0.1% of any of the chemicals listed on the United States National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and United State's Occupational Safety and Health Administrations 29CFR 1910.10 Subpart Z List.

Reproductive toxicity: Avoid exposure during pregnancy.

Additional Toxicological Information:

Acute toxicity

Ethylene Glycol

Acute Oral Toxicity LD50: >5000 mg/kg (rat)

Acute Dermal Toxicity LD50: >2,000 mg/kg (rabbit)

12. Environmental and Ecological Information

Ecotoxicity

The ecotoxicity of this product has not been determined

Ethylene Glycol

96 hour/LC50/ Fish/ >100 ppm

Environmental Fate

Biodegradation: No data available.

Bioaccumulation: Low potential.

Mobility: This product is soluble in water and may spread in water systems. This product is volatile and may spread in the atmosphere.

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13. Disposal Considerations

Waste Handling and Disposal: This product in its neat state when discarded or disposed of is not a hazardous waste according to United States Federal Regulations 40CFR 261.4 (b)(4). Dispose of product in accordance with all applicable National, Federal, State, Provincial and local laws and regulations. Under RCRA, it is the responsibility of the user of this product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Do not re-use empty containers

14. Transport Information

US DOT Classification Non-Bulk and Bulk: Not regulated
IMDG and IATA/ICAO Classification: Not regulated

15. Regulatory Information

US Regulations

TSCA Inventory: All of the components in this material are on the US TSCA Inventory or are exempt.

State of California Proposition 65: This product does not contain any of the chemicals that are listed on the State of California's Proposition 65 List as potential cancer causing agents or reproductive toxins

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

- Immediate (Acute) Health = Yes
- Delayed (Chronic) Health = Yes
- Fire Hazard = No
- Reactive Hazard = No

SARA Title 313: Ethylene Glycol CAS#107-21-1 Reporting Threshold = 1.0%.

CERCLA: This product has a reportable quantity of 5,000 lbs. (Ethylene Glycol), but is not considered a Hazardous Substance since the quantity of ethylene glycol does not equal or exceed the RQ in one package (49 CFR 171.8, definition of "Hazardous Substance").

Clean Air Act: Ethylene glycol CAS# 107-21-1.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.

United States Right-To-Know: New Jersey and Pennsylvania – Ethylene Glycol CAS# 107-21-1.

RCRA: Not applicable.

Other Regulations:

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16. Other Information

Hazardous Materials Information System
(U.S.A)

Health: 2

Fire: 0

Reactivity: 0

National Fire Protection Agency System
(U.S.A.)

Health: 2

Fire: 0

Reactivity: 0

For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.

*Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.***