

SAFETY DATA SHEET

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	B

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: LiquiTube Extreme
Product Use: Tire Sealant
UN #: NA
Manufactured by: LiquiTube Industries, LLC
11521 Kevin Lane
Cartersville, IL 62918

Product Identification # (PIF): 01322
Emergency Telephone #: 1-800-255-3924
General Information #: 618-985-4445
Prepared by: Sonya Lockhart
Date Prepared: January 30, 2014
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SECTION 2. HAZARD(S) IDENTIFICATION

HMIS Ratings: Health 1, Fire 1, Reactivity 0



Signal Word: WARNING

GHS OSHA Hazard Class:

- **Acute Oral, Toxicity:** Category 4, Harmful if swallowed, H302

Product VOC: LVP-VOC exempt – Vapor pressure <0.1mmHg @ 20°C (40 CFR 59.203(f))

Potential Health Effects: May cause eye, skin and respiratory irritation. Overexposure may cause CNS depression. **MAY BE HARMFUL OR FATAL IF SWALLOWED** - Based on product use, exposure is unlikely. **CAUTION:** Contains material that caused birth defects in rats and mice - Avoid exposure during pregnancy.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Max. %
Ethylene Glycol	107-21-1	<50

SECTION 4. FIRST AID MEASURES

- **Eyes:** Flush well with water for at least 15 minutes. Remove any contact lenses. Seek medical attention if irritation persists.
- **Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.
- **Inhalation:** Move to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.
- **Ingestion:** Get medical attention immediately. Wash out mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed to do so by medical personnel. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Not Flammable

Flash Point: None to boil (>200°F)

- **Extinguishing Media:** Use an extinguishing agent suitable for surrounding fire.
- **Specific hazards arising from chemical:** In a fire, or if heated, a pressure increase will occur and the container may burst.
- **Hazardous combustion products:** Carbon monoxide and carbon dioxide.
- **Firefighting protective equipment:** Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
- **Sensitivity to static discharge:** This product not combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Eliminate all ignition sources. Ventilate area.

- **For Small Spills:** 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.
- **For Large Spills:** Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

- Handling: Wear personal protection 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.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	TLV	STEL
Ethylene Glycol	107-21-1	50ppm	100mg/m3	NE

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

- Eyes: Safety glasses with side shields or splash proof goggles.
- Skin: Chemical resistant gloves
- Respirator: Use NIOSH approved protection if PEL is exceeded, or if vapors/mists are causing irritation.
- Clothing: Normal materials handling clothing
- Other: Use only in a well ventilated area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Description: White, opaque liquid
- Odor: None
- pH, Neat: 8-8.5
- Boiling point: Not determined
- Flash Point: None to boil (>200°F)
- Evaporation Rate (n-butyl acetate=1): <1
- Upper Flammability Limit (% by volume): Not flammable
- Lower Flammability Limit (% by volume): Not flammable
- Vapor Pressure: <0.1mmHg @ 20°C
- Vapor Density: (Air = 1): >1
- Specific Gravity, (water = 1.0): 1.028 g/ml
- Water Solubility: Complete
- Auto-ignition Temperature: Not determined
- %Volatile/Volume: 93%

SECTION 10. STABILITY AND REACTIVITY

- Chemical stability: Stable.
- Reactivity: Not reactive under normal conditions.
- Hazardous polymerization: Will not occur.
- Conditions to avoid: Heat and flame. Do not mix with other chemicals
- Incompatibility with other substances: Avoid strong oxidizing agents.
- Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Oral (LD50 Rat): >5000mg/kg (low acute toxicity)
- Dermal (LD50 Rabbit): >2000mg/kg
- Inhalation (LC50 Rat): Not determined
- Eye Contact: May cause eye irritation.
- Skin Contact: May cause skin irritation.
- Inhalation: Mists may cause irritation to the respiratory tract.
- Ingestion: MAY BE HARMFUL OR FATAL IF SWALLOWED. Based on product use, exposure is unlikely.
- CAUTION: Contains material that caused birth defects in rats and mice. Avoid exposure during pregnancy.

Chronic Toxicity:

- Repeated or prolonged exposure may produce adverse effects on the central nervous system, liver and kidneys.

SECTION 12. ECOLOGICAL INFORMATION

Acute Aquatic Effects:

- 96h LC-50 (fish): >100ppm
- 96h EC-50 (invertebrates): Not determined
- 48h LC-50 (algae): Not determined
- Biodegradability: 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.

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal of Wastes: All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

- Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- RCRA: Not applicable

SECTION 14. TRANSPORT INFORMATION

United States DOT:

- Not Regulated

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

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 11,186 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.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"
- Legend:

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.