

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 Ballast Seal Product Use: Dilutable Tire Sealant Manufactured for: LiquiTube Industries, LLC. 11521 Kevin Lane Cartersville, IL 62918	Product Identification # (PIF): 01325 Emergency Telephone #: 1-800-255-3924 General Information #: 618-985-4445 Date Prepared: September 18, 2014 Revised: June 26, 2015
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:

Pictograms: None required
 Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Eye irritation	2B	H320	Causes eye irritation
Hazardous to the Aquatic Environment, Acute Hazard	3	H402	Harmful to aquatic life

Description of any hazards not otherwise classified: Inhaling sprays or mists of this material may cause irritation to the respiratory tract. Ingestion may cause irritation to the gastrointestinal tract. Swallowing large amounts can cause nausea, weakness, cyanosis (blue skin), central nervous system depression and collapse.

Precautionary	Code	Statement
Prevention	P264 P273	Wash thoroughly after handling. Avoid release to the environment.
Response	P305+P351+P338 P337+P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	None	None
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Sodium nitrite	None known	7632-00-0	3 – 7
Sodium tetraborate decahydrate	Borax decahydrate	1303-96-4	3 – 7
Triethanolamine	TEA	102-71-6	0 – 4
Sodium metasilicate pentahydrate	Disodium trioxosilicate	6834-92-0	0 – 4
2-Amino-2-methyl-1-propanol	AMP	124-68-5	0 – 4
Diethanolamine	DEA	111-42-2	0 – 4
Sodium mercaptobenzothiazole	Sodium mbt	2492-26-4	0 – 4

SECTION 4. FIRST AID MEASURES

- **Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses. If eye irritation persists, seek medical attention.
- **Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation develops and persists, seek medical attention.
- **Inhalation:** If symptoms develop, move victim to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.
- **Ingestion:** Call a physician immediately. Never give anything by mouth to an unconscious person. If victim is completely conscious and aware, have him rinse out mouth. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible Liquid

Flash Point: Above 200°F (93°C)

- **Extinguishing Media:** Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.
- **Specific hazards arising from chemical:** None known.
- **Hazardous combustion products:** Oxides of nitrogen, metal and carbon and ammonia.
- **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 is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid release to the environment.

- **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 (Section 8). Use with adequate ventilation. Do not handle around sources of ignition. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not pre-mix with other chemicals. Avoid release into the environment. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.
- **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, acids, ammonium compounds and reducing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Sodium nitrite	7632-00-0	Not established	Not established	Not established
Sodium tetraborate decahydrate	1303-96-4	Not established	Not established	Not established
Triethanolamine	102-71-6	6mg/m ³	2mg/m ³	Not established
Sodium metasilicate pentahydrate	6834-92-0	Not established	Not established	Not established
2-Amino-2-methyl-1-propanol	124-68-5	Not established	Not established	Not established
Diethanolamine	111-42-2	Not established	2mg/m ³	Not established
Sodium mercaptobenzothiazole	2492-26-4	Not established	Not established	Not established

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

Personal protective equipment:

- **Eye:** Safety glasses with side shields or splash proof goggles.
- **Skin:** Chemical resistant (impervious) gloves. Normal materials handling clothing.
- **Respirator:** Use NIOSH approved protection if PEL is exceeded, if vapors are causing irritation or if sprays or mists are generated.
- **Other:** Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pink, opaque liquid with fibers	Upper/Lower flammability limits	Not determined
Odor	Slight amine	Vapor pressure	<0.1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH	10	Specific gravity (water = 1.0)	1.070 g/ml
Melting point	Not determined	Solubility	Dispersible in water
Freezing point	26°F	Partition coefficient	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Above 200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity, #5 @ 20rpm Brookfield	4000 – 6000 cps
Flammability	Class IIIB Combustible	%Volatile/Volume	85.5

SECTION 10. STABILITY AND REACTIVITY

- **Reactivity:** Not reactive under normal conditions.
- **Chemical stability:** Stable under normal, ambient temperature and conditions.
- **Possibility of hazardous reactions:** Hazardous polymerization will not occur.
- **Conditions to avoid:** Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
- **Incompatible materials:** Avoid strong oxidizing agents, acids, ammonium compounds and reducing agents.
- **Hazardous combustion products:** Oxides of nitrogen, metal and carbon and ammonia.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- Oral (LD50 Rat): >2000mg/kg
- Dermal (LD50 Rabbit): >2000mg/kg
- Inhalation (LC50 Rat): >20mg/kg vapors
- **Eye Contact:** Causes eye irritation.
- **Skin Contact:** May cause irritation to eyes.
- **Inhalation:** Inhaling sprays or mists of this material may cause irritation to the respiratory tract.
- **Ingestion:** Ingestion may cause irritation to the gastrointestinal tract. Swallowing large amounts can cause nausea, weakness, cyanosis (blue skin), central nervous system depression and collapse.
- NTP/IARC/OSHA Carcinogen: IARC : Triethanolamine CAS #102-71-6 and Diethanolamine CAS #111-42-2. OSHA: Diethanolamine CAS #111-42-2.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

- 96h LC-50 (fish): 13.5ppm
- 96h EC-50 (invertebrates): Not determined
- 48h LC-50 (algae): Not determined
- Persistence and degradability: Not determined.
- Bioaccumulation: Not determined.
- Mobility: This product is dispersible in water and may spread in water systems. Soil mobility not determined.
- Ecotoxicity: Harmful to aquatic life (category III). Avoid release into the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. 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

IATA and IMDG:

- Not regulated
- Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

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	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Sodium Nitrite CAS# 7632-00-0 and Diethanolamine CAS#111-42-2.

CERCLA: This product has a reportable quantity of 2,000 lbs. (Sodium Nitrite), but is not considered a Hazardous Substance since the quantity of material does not equal or exceed the RQ in one package (49 CFR 171.8, definition of "Hazardous Substance").

United States Right-To-Know: Sodium Nitrite CAS# 7632-00-0 – Massachusetts, New Jersey, Pennsylvania. Triethanolamine CAS# 102-71-6 – Massachusetts and Pennsylvania. Diethanolamine CAS#111-42-2 – Pennsylvania.

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 regulated.

SECTION 16. OTHER INFORMATION

- Date Prepared: June 26, 2015
- Hazard Ratings (HMIS): Health 1, Flammability 1, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.
- Product VOC: LVP-VOC exempt – Vapor pressure <0.1mmHg @ 20°C (40 CFR 59.203(f))
- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

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

VOC	Volatile Organic Compounds
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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.