

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	B

SAFETY DATA SHEET

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 UN #: Not regulated Manufactured by: Kor-Chem Inc. 5800 Bucknell Drive Atlanta, GA 30336	Product Identification # (PIF): 01325 Emergency Telephone #: 1-800-255-3924 General Information #: 404-344-9580 Prepared by: Sonya Lockhart Date Prepared: September 18, 2014
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SECTION 2. HAZARD(S) IDENTIFICATION

HMIS Ratings: Health 1, Fire 1, Reactivity 0
 Signal Word: WARNING
 OSHA Hazard Class:

- Hazardous to the Aquatic Environment, Acute Hazard: Category 3, Harmful to Aquatic Life, H402

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

- Eye Contact:** May cause irritation to eyes.
- Skin Contact:** May cause skin irritation.
- Inhalation:** May cause irritation to respiratory tract.
- Ingestion:** May irritate the gastrointestinal tract. Swallowing large amounts can cause nausea, weakness, cyanosis (blue skin), central nervous system depression and collapse.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Max. %
Sodium nitrite	7632-00-0	<10
Sodium tetraborate decahydrate	1303-96-4	<10
Triethanolamine	102-71-6	<5
Sodium metasilicate pentahydrate	6834-92-0	<5
2-Amino-2-methyl-1-propanol	124-68-5	<5
Diethanolamine	111-42-2	<5
Sodium mercaptobenzothiazole	2492-26-4	<5

SECTION 4. FIRST AID MEASURES

- Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses. Seek medical attention.
- Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation 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:** DO NOT INDUCE VOMITING. Call a physician immediately. Immediately rinse out mouth and drink 2 glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Not flammable
 Flash Point: Above 200°F (93°C)

- Extinguishing Media:** Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray. Do not spray water directly on fire. Use water spray to cool containers.
- Specific hazards arising from chemical:** Vapors are heavier than air and may travel along the ground to an ignition source. Readily ignited by static discharge.
- 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 combustible and readily ignited even by static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

- For Small Spills: Spilled material is 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. Do not handle around sources of ignition. Do not pre-mix 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, acids, ammonium compounds and reducing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Sodium nitrite	7632-00-0	NE	NE	NE
Sodium tetraborate decahydrate	1303-96-4	NE	NE	NE
Triethanolamine	102-71-6	6mg/m3	2mg/m3	NE
Sodium metasilicate pentahydrate	6834-92-0	NE	NE	NE
2-Amino-2-methyl-1-propanol	124-68-5	NE	NE	NE
Diethanolamine	111-42-2	NE	2mg/m3	NE
Sodium mercaptobenzothiazole	2492-26-4	NE	NE	NE

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 gloves
- Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation
- Clothing: Normal materials handling clothing
- Other: Use only in a well ventilated area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Description: Bright pink, opaque and viscous liquid
- Odor: Slight amine
- pH, Neat: 10
- Boiling point: Not determined
- Flash Point: Above 200°F (93°C)
- Evaporation Rate (n-butyl acetate=1): <1 for slower
- Upper Flammability Limit (% by volume): Not determined
- Lower Flammability Limit (% by volume): Not determined
- Vapor Pressure: Not determined
- Vapor Density: (Air = 1): <1
- Specific Gravity, (water = 1.0): 1.070 g/ml
- Water Solubility: Complete
- Auto-ignition Temperature: Not determined
- %Volatile/Volume: 85.5%

SECTION 10. STABILITY AND REACTIVITY

- Chemical stability: Stable.
- Reactivity: Not reactive under normal conditions.
- Hazardous polymerization: Will not occur.
- Conditions to avoid: Heat, flame and sparks. Do not mix with other chemicals
- Substances to avoid: 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 Toxicity:

- Oral (LD50 Rat): 31 mg/kg
- Dermal (LD50 Rabbit): 373 mg/kg
- Inhalation (LC50 Rat): >20mg/kg vapors
- May be irritating to eyes and skin.

Chronic Toxicity:

- None known.

SECTION 12. ECOLOGICAL INFORMATION

Acute Aquatic Effects:

- 96h LC-50 (fish): 3.8 mg/L (sodium nitrite)
- 96h EC-50 (invertebrates): >100ppm
- 48h LC-50 (algae): >10ppm

- Ecotoxicity: Harmful to aquatic life (category III)
- Biodegradability: Not determined
- Bioaccumulation: Not determined
- Mobility: This product is soluble in water and may spread in water systems.

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

IMDG

- This product is a marine pollutant if shipped 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
- Delayed (Chronic) Health = No
- Fire Hazard = 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

- 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.