

SAFETY DATA SHEET

I. IDENTIFICATION

SDS Name: LBx-106™
Address: 1927 Elrod Road, Piedmont, SC 29673
Phone: (864) 269-3488
Product Name: LBx-106™
Emergency Phone Number: CHEMTREC (24hr. Emergency) 1-800-424-9300

II. Hazards

GHS Classification:

[Health]

Skin Irritation Category 2

Serious eye damage Category 1

[Environmental]

Acute Aquatic Toxicity Category 3

[Physical]

GHS Label Elements, including precautionary statements**Pictograms****Signal Word:** Danger**Symbols:** Warning**Health Statements:**

H302: Harmful if swallowed

H315: Causes skin irritation

H318: Causes serious eye damage

H402 Harmful to aquatic life

Precautionary Statements:

P264 Wash contaminated area with mild soap and water for 15 minutes thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with soap and water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Physical Phrases:

H290 May be corrosive to metals

Storage Phrases:

P403+223: Store in a well ventilated place. Store in a tightly closed container.

P234 Keep only in original container

III. Chemical Composition

CAS #	Chemical Name	%
10043-35-3	Boric Acid	<10%
1303-96-4	Sodium Borate Decahydrate	<20%
1310-58-3	Potassium Hydroxide	<20%
1310-73-2	Sodium Hydroxide	<20%

IV. First Aid Measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with cool water for 15 minutes, keeping eye lids open and occasionally lifting upper and lower eye lids. Get medical attention.

Skin Contact: Remove contaminated clothing. Wash off with plenty of water and a non-abrasive soap or place victim in a deluge safety shower. Be particularly careful to clean skin folds, crevices, creases and groin area. If irritation persists, seek medical attention, Wash clothing before reuse.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing. Get medical attention if symptoms appear.

V. Fire Fighting Measures

Suitable Extinguishing media: Not considered a fire hazard. Use any means suitable for extinguishing surrounding fire.

Hazardous combustion products: Oxides of carbon and various hydrocarbons

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Not considered an explosion hazard.

VI. Accidental Release Measures

Spills: Evacuate all non-essential personnel from the spill area. Material is corrosive. Suitable protective clothing should be worn. Shut off or plug source of spill. Small spills: absorb on inert media and collect into suitable container.

Large Spills: Dike spill area to contain liquid. Salvage as much re-useable liquid as possible into a suitable container. Avoid contaminating ground and surface water.

VII. Handling and Storage

Handling: Do not get in eyes, on skin or on clothing. Keep container closed and tightly sealed when not in use. Use good hygiene practices.

Storage: Store in a dry, well ventilated area. Prevent physical damage. Prevent contact of liquid with human tissue. Do not eat or drink while handling this material. Store only in approved properly labeled containers.

VIII. Exposure Controls/Personal Protection

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. **Personal**

Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Other Equipment: Eye wash station and shower in close proximity to use are advised.

IX. Physical and Chemical Properties

Physical State: Liquid

Appearance: Water White, clear to hazy

Odor: None

Density: 11.5 lb/gallon

pH: 13 ± 1 @ 10% solution

Solubility in Water: Completely soluble

Viscosity (Brookfield, #1, 100 rpm): 25-65 cPs

Solids: 42% ± 2.0

Vapor Pressure: Highest known value is 17.5 mm Hg (@20°C, water)

X. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.

Materials to Avoid: Strong acids, and oxidizers.

Decomposition Products: When combusted, oxides of carbon and various hydrocarbons.

XI. Toxicological Information

Signs and Symptoms of Overexposure:

Skin: Contact causes skin irritation. Severity depends on the amount and duration of exposure.

Eyes: Liquid contact will cause eye damage. Severity depends on the amount and duration of exposure.

Inhalation: Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs.

Ingestion: If swallowed this material causes digestive tract burns. Harmful if swallowed. Aspiration of this material into the lungs may result in damage or death.

XII. Ecological Information

Aquatic Toxicity: This product is unlikely to pose a significant hazard to aquatic life.

BOD₅, COD: Not available

XIII. Disposal Considerations

Dispose of in accordance with applicable Federal, State and Local regulations.

XIV. Transport Information

US DOT Classification (Road or Rail):

Proper Shipping Name: Corrosive liquid, basic, inorganic, N.O.S.[Sodium Hydroxide, Potassium Hydroxide]

Hazard Class: 8

UN Number: UN 3266

Packaging Group: II

XV. Regulatory Information

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

The reportable quantity (RQ) for this material is 1000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Delayed (Chronic) Health Hazard,

SARA Section 313 (40 CFR 372) Hazard Categories: This product contains the following toxic chemical subject to reporting requirements, None.

Clean Water Act: This product contains Potassium Hydroxide which are listed under the CWA.

Clean Air Act: This product contains no chemicals that are listed on the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

XVI. Other Information

SDS Revision Date: January 23, 2023

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 0

Reactivity: 1

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