

LYMAN PRODUCTS

SAFETY DATA SHEET

Safety Data Sheet (conforms to Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830), US 29CFR1910.1200, Canada Hazardous Products Regulation

Date Issued: 01/14/16
Date Revised: None
Revision Number: New SDS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name: Compound B
Product Number: 41-008

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Metal and Plastic Cleaner

Restrictions on Use: None known

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: Lyman Products
475 Smith Street
Middletown, CT 06457 USA
Information Phone Number: (860) 632-2020
E-mail:

1.4 Emergency Telephone Number

Emergency Spill Information: For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or
+1 703-527-3887 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

US Hazard Classification (29CFR 1910.1200-2012): Eye Damage Category 1, Skin Corrosion Category 1

GHS/CLP (1272/2008) Classification:

Eye Damage Category 1 (H318), Skin Corrosion Category 1 (H314)

2.2 Label Elements

Danger!



Contains: Sodium Metasilicate

Hazard Statements	Precautionary Phrases
H314 Causes severe skin burns and eye damage.	P260 Do not breathe mists or vapors. P264 Wash thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection and face protection.

	<p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P310 Immediately call a POISON CENTER or doctor.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P310 Immediately call a POISON CENTER or doctor.</p> <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER or doctor.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents and container in accordance with local and national regulations.</p>
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2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Sodium Metasilicate	6834-92-0	229-912-9	Metal corrosive Category (H290) Skin Corrosive Category 1 (H314) Eye Damage Category 1 (H318) Specific Target Organ Toxicity – Single Exposure Category 3 (H335)	<2%
Sodium Nitrite	7632-00-0	231-555-9	Oxidizing Solid Category 2 (H272) Acute Toxicity Category 3 (H301) Eye Irritant Category 2 (H319) Aquatic Acute Toxicity Category 1 (H400)	<2%

The exact percentage and composition is a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Immediately flush eyes with plenty of water for at least 30 minutes while holding the eyelids apart. Remove contact lenses, if present and easy to do. Get immediate medical attention.

Skin: Immediately flush skin with plenty of water for 20 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Launder clothing before re-use. (Discard contaminated shoes).

Inhalation: Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Ingestion: Do NOT induce vomiting. Get immediate medical attention. If conscious, rinse mouth with a small amount of water and give one glass of water to dilute. Never give anything by mouth to an unconscious or convulsing person.

4.2 Most Important symptoms and effects, both acute and delayed: Causes severe eye and skin irritation and burns. Inhalation of mists may cause mucous membrane and respiratory irritation and burns with possible pulmonary edema. Swallowing may cause burns to the mouth, throat and intestinal tract. Prolonged overexposure may cause damage to eyes, skin, lungs and teeth.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required for all routes of exposures.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing Media: Dry chemical, foam, carbon dioxide and water fog are recommended.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: None known.

Combustion Products: Thermal decomposition or combustion may generate oxides of carbon and irritating or toxic fumes.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Evacuate spill area and keep unprotected personnel away. Prevent contact with the eyes, skin and clothing. Ventilate area. Wear appropriate protective clothing.

6.2 Environmental Precautions:

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:

Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. In the case of disposal, spilled material or contaminated material should be disposed of as waste as described in Section 13.

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Prevent contact with the eyes, skin and clothing. Do not breathe vapor and mist. Wear protective clothing and equipment. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a dry area away from incompatible materials.

7.3 Specific end use(s): None specified

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Sodium Metasilicate	None Established
Sodium Nitrite	None Established

8.2 Exposure Controls:

Appropriate Engineering Controls: General exhaust ventilation should be adequate to minimize occupational exposure.

Respiratory Protection: None required for normal use. If needed, an approved respirator may be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are required if contact is possible.

Eye Protection: Chemical safety goggles and face shield should be worn where splashing is possible.

Other Protective Equipment: None should be needed under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance: Amber colored liquid

Vapor Density: No data available

Odor: Faint odor	Specific Gravity: 1.092
Odor Threshold: No data available	Solubility: Complete
pH: 12.0-12.5	Octanol/Water Partition Coefficient: No data available
Melting Point/Freezing Point: No data available	Autoignition Temperature: No data available
Boiling Point: 202 - 205°F (94.4 – 96.1°F)	Decomposition Temperature: No data available
Flash Point: No data available	Viscosity: Not applicable
Evaporation Rate: <1	Explosive Properties: Not explosive
Flammable Limits: LEL: No data available UEL: No data available	Oxidizing Properties: Not an oxidizer
Vapor Pressure: No data available	Flammability (solid, gas): Not applicable

9.2 Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive under regular storage and handling conditions.

10.2 Chemical Stability: Stable under regular storage and handling conditions. Keep from freezing.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Avoid extreme temperatures.

10.5 Incompatible Materials: Strong oxidizers.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may generate oxides of carbon and irritating or toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye Contact: Causes severe irritation and burns with pain, tearing, and redness. May cause permanent eye damage, vision impairment, and blurred vision.

Skin Contact: Causes severe irritation and burns with redness, ulceration, pain, dermatitis, and scarring.

Inhalation: Inhalation of vapors or mist may cause severe irritation and burns of the nose, throat and upper respiratory tract. Prolonged inhalation may cause lung damage.

Ingestion: Ingestion causes severe digestive tract irritation or burns to the mucous membranes, esophagus and stomach with shock and possible perforation and peritonitis.

Acute Toxicity Values:

Sodium Metasilicate: Oral rat LD50: 994 mg/kg, inhalation rat LC50 > 2.06 mg/L/4.4 hr, dermal rat LD50 > 5000 mg/kg

Sodium Nitrite: Oral rat LD50: 180 mg/kg

Skin corrosion/irritation: This product is classified as a skin corrosive.

Eye damage/irritation: This product is damaging to eyes.

Respiratory Irritation: No data available for mixture. Product is not classified as a respiratory irritant.

Respiratory Sensitization: No data available for mixture. Product is not classified as a skin sensitizer.

Skin Sensitization: No data available for mixture. Product is not classified as a respiratory sensitizer.

Germ Cell Mutagenicity: No data available for mixture. Product is not classified as a germ cell mutagen.

Carcinogenicity: None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

Reproductive Toxicity: No data available for mixture. Product is not classified as a reproductive toxin.

Aspiration Hazard: No data available for mixture. Product is not classified as an aspiration hazard.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Sodium Metasilicate: *Gambusia affinis* LC50: 2320 mg/L/96 hr

Sodium Nitrite: *Oncorhynchus mykiss* LC50: 0.54 mg/L/96 hr, *Cyprinus carpio* NOEC 7 mg/L/29 days

This product is harmful to aquatic life. Avoid release to the environment.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB Assessment: Not required.

12.6 Other Adverse Effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose in accordance with all local, state and national regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	UN3253	Disodium Trioxosilicate Solution	8	III	None
Canadian TDG	UN3253	Disodium Trioxosilicate Solution	8	III	None
EU ADR/RID	UN3253	Disodium Trioxosilicate Solution	8	III	None
IMDG	UN3253	Disodium Trioxosilicate Solution	8	III	None
IATA/ICAO	UN3253	Disodium Trioxosilicate Solution	8	III	None

14.6 Special Precautions for User: Sodium Nitrite (RQ 100 lbs) - (5,000 lbs product)

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Releases above the RQ of 5,000 lbs. (based on the RQ for Sodium Nitrite of 100 lbs. present at <2%) must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Sodium Nitrite CAS# 7632-00-0

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product contains substances known to the State of California to cause cancer, birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: All of the components are listed on the Canadian Domestic Substances List.

Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

New Zealand: All of the ingredients of this product are listed on the New Zealand Inventory of Chemicals (NZIoC).

German WGK: 2

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health - 3 Flammability - 1 Physical Hazard - 0
NFPA Ratings: Health - 3 Flammability - 1 Stability - 0

Date of Current Revision: 1/14/16

Revision Summary: New document.

Date of Previous: Revision: None

GHS Classification for Reference (See Sections 2 and 3):

- H272 May intensify fire; oxidizer.
- H290 May be corrosive to metals.
- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.