

# 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: 02/20/18  
Revision Number: 1

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

#### 1.1 Product Identifier

**Trade Name:** RAYTECH COMPOUND B  
**Product Number:** 41-008

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

**Product Use:** Vibratory deburring compound.

**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 Irritation Category 2A, Skin Irritation Category 2

#### **GHS/CLP (1272/2008) Classification:**

Eye Irritation Category 2 (H319), Skin Irritation Category 2 (H315)

#### 2.2 Label Elements

Warning!



Contains: Sodium Metasilicate

Hazard Statements	Precautionary Phrases
H315 Causes skin irritation. H319 Causes serious eye irritation.	P264 Wash thoroughly after handling. P280 Wear protective gloves, and eye protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

	<p>P332 + P313 If skin irritation occurs: Get medical attention.  P362 + P364 Take off contaminated clothing and wash it before reuse.  P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P337 + P313 If eye irritation persists: Get medical attention.</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:** Flush eyes with plenty of water for at least 15 minutes while holding the eyelids apart. Remove contact lenses, if present and easy to do. Get medical attention if irritation persists.

**Skin:** Flush skin with plenty of water for several minutes. Removing contaminated clothing and shoes. Get medical attention if irritation persists. Launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. Seek medical attention if irritation or symptoms continue.

**Ingestion:** Do not induce vomiting unless directed to by a doctor or physician. Seek 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 drowsy.

**4.2 Most Important symptoms and effects, both acute and delayed:** Causes eye and skin irritation. Inhalation of mists may cause respiratory irritation. Swallowing may cause irritation to the mouth, throat and intestinal tract.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical attention should not be required for normal product use.

### 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. Avoid 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:** Avoid contact with the eyes, skin and clothing. Avoid breathings 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):** Vibratory de-burring compound.

## 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:** Wear impervious gloves to avoid skin contact.

**Eye Protection:** Wear chemical safety goggles where eye contact is possible.

**Other Protective Equipment:** Wear additional protective as needed to avoid contact with skin and clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties

<b>Appearance:</b> Amber colored liquid	<b>Vapor Density:</b> No data available
<b>Odor:</b> Faint odor	<b>Specific Gravity:</b> 1.092
<b>Odor Threshold:</b> No data available	<b>Solubility:</b> Complete
<b>pH:</b> 11.0-11.3 Concentrate; 10.4-10.7 in 5% solution	<b>Octanol/Water Partition Coefficient:</b> No data available
<b>Melting Point/Freezing Point:</b> No data available	<b>Autoignition Temperature:</b> No data available
<b>Boiling Point:</b> 202 - 205°F (94.4 – 96.1°F)	<b>Decomposition Temperature:</b> No data available
<b>Flash Point:</b> No data available	<b>Viscosity:</b> Not determined.
<b>Evaporation Rate:</b> <1 (Ether = 1)	<b>Explosive Properties:</b> Not explosive
<b>Flammable Limits:</b> LEL: No data available UEL: No data available	<b>Oxidizing Properties:</b> Not an oxidizer
<b>Vapor Pressure:</b> No data available	<b>Flammability (solid, gas):</b> 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 irritation with pain, tearing, and redness.

**Skin Contact:** Causes irritation with redness, pain, and possible dermatitis.

**Inhalation:** Inhalation of vapors or mist may cause irritation to upper respiratory tract.

**Ingestion:** Swallowing may cause irritation to the mouth, throat and intestinal tract.

###### Acute Toxicity Values:

Product ATE: Oral LD50: >5,000 mg/kg

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 irritant.

**Eye damage/irritation:** This product is classified as a serious eye irritant.

**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 hrSodium 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
<b>US DOT</b>	None	Not regulated	N/A	N/A	None
<b>Canadian TDG</b>	None	Not regulated	N/A	N/A	None
<b>EU ADR/RID</b>	None	Not regulated	N/A	N/A	None
<b>IMDG</b>	None	Not regulated	N/A	N/A	None
<b>IATA/ICAO</b>	None	Not regulated	N/A	N/A	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:** Refer to Section 2 for OSHA Hazard Classification.**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 the following trace chemical(s) (concentrations less than 0.001% by weight) that are known to the state of California to cause cancer:

- 1,4-dioxane
- Acetaldehyde
- Formaldehyde
- Trisodium NTA

**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 - 2                      Flammability - 1                      Physical Hazard - 0

**NFPA Ratings:** Health - 2                      Flammability - 1                      Stability - 0

**Date of Current Revision:** 02/20/18

**Revision Summary:** Revised pH data. Change in hazard classification.

**Date of Previous:** 1/14/16

**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.