

LYMAN PRODUCTS: RAYTECH DIVISION
SAFETY DATA SHEET

Safety Data Sheet (conforms to US 29CFR1910.1200)

Date Revised: 08/22/2024

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

Product Identifier

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

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

Product Use: Vibratory de-burring compound.
Restrictions on Use: None known

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

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

Classification of the Substance or Mixture

GHS/US Hazard Classification (29CFR 1910.1200-2024): Eye Irritation Category 2A, Skin Irritation Category 2

Label Elements

Warning!



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. 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.

Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
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Mixture

Chemical Name	CAS#	% w/w
Sodium Metasilicate	6834-92-0	<2%
Sodium Nitrite	7632-00-0	<2%

The exact percentage and composition are a trade secret.

SECTION 4: FIRST AID MEASURES

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. 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 you feel unwell. Rinse mouth with a small amount of water.

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.

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

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

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.

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

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.

Environmental Precautions:

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

Methods and Material for Containment and Cleaning Up:

Stop leak if it is 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.

SECTION 7: HANDLING AND STORAGE
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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.

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Exposure Controls:

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

Respiratory Protection: None required for normal use. If exposure is excessive or exceeds exposure limits, 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

Information on basic Physical and Chemical Properties

Appearance: Amber colored liquid	Relative Vapor Density: No data available
Physical State: Liquid	Color: Amber
Odor: Faint odor	Relative Density: 1.092
Odor Threshold: No data available	Solubility: Complete
pH: 11.0-11.3 Concentrate; 10.4-10.7 in 5% solution	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	Kinematic Viscosity: Not determined.
Evaporation Rate: <1 (Ether = 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: Not applicable
Particle Characteristics: Not applicable	

Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under regular storage and handling conditions.

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

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Avoid extreme temperatures.

Incompatible Materials: Strong oxidizers.

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

SECTION 11: TOXICOLOGICAL INFORMATION

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: Not classified.

Respiratory Sensitization: Not classified.

Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified. None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, or ACGIH.

Reproductive Toxicity: Not classified.

Aspiration Hazard: Not classified.

Specific Target Organ Toxicity:

- Single Exposure: Not classified.
- Repeat Exposure: Not classified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

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

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: This product is harmful to aquatic life. Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

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

SECTION 14: TRANSPORTATION INFORMATION

	UN Number	Proper Shipping Name	Hazard	Packing	Environmental
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			Class(s)	Group	Hazards
US DOT	None	Not regulated	N/A	N/A	None
IMDG	None	Not regulated	N/A	N/A	None
IATA	None	Not regulated	N/A	N/A	None

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

Transport in Bulk According to IMO Instruments: Not applicable

SECTION 15: REGULATORY INFORMATION

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 as 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 at <2% 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:



WARNING: This product can expose you to chemicals including 1,4-dioxane, Acetaldehyde, Formaldehyde, and Trisodium NTA, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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: 08/22/2024

Revision Summary: Update to US format and Hazcom 2024. Changes to all Sections.

Date of Previous: 02/20/2018

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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.