

SAFETY DATA SHEET**Trade Name:** Raybo 218 Flash Rust Inhibitor **Version:** 2.0**Date:** 4-14-08**1) Identification of the Substance/Preparation and Company****Trade Name:** **Raybo 218 Flash Rust Inhibitor****Identification of the Manufacturer/Supplier**

Address: Raybo Chemical Company
 PO Box 2155
 Huntington, WV 25725

Telephone: 304-525-5171

Fax: 304-525-2921

Information provided by/Telephone

304-525-5171 William F Reid, Technical Director

Emergency Telephone Number

Chem Trec 800-424-9300 (Domestic)

Chem Trec 703-527-3887 (International)

2) Composition/Information on Ingredients

Hazardous Ingredients	OSHA PEL	ACGIH TLV	SARA 313%
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Fatty Amine Carboxylate Complex		Not Established	
CAS NO: *			
Einecs NO:			

Alkylamine		Not Established	
CAS NO: *			
Einecs NO:			

NOTE: CONTENTS PARTIALLY UNKNOWN

* SPECIFIC IDENTITY WITHHELD ON TRADE SECRET GROUNDS.

3) Potential Health Effects and Hazards

HMIS Rating: Health (1) Flammability (0) Reactivity (0) Personal Protection ()

Eye: Contact/exposure to liquid can cause slight eye irritation. Symptoms include stinging, tearing, and redness.

Skin: Contact/exposure may cause slight skin irritation.

Ingestion: Single dose oral toxicity is low. Ingestion/swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may result in GI irritation where it can be absorbed and adversely affected the liver, spleen, and blood of laboratory animals. Human data is not available.

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Inhalation: Breathing of vapor or mist during normal handling and use is unlikely because of products low vapor pressure. Irritating to respiratory system where it can be absorbed and adversely affected the liver, spleen, and blood of laboratory animals. Human data is not available.

Chronic: Repeated exposure to a constituent of this product adversely affected the liver, spleen, and blood chemistry of laboratory animals.
(Information)

Developmental: Indications of reproductive toxicity reported in rats treated orally with a minor constituent of this product.
(Information)

Symptoms of Exposure: Signs and symptoms of exposure to this product through contact, exposure, or ingestion may include slight skin irritation (redness), eyes may become red and tear, and mild stomach or intestinal upset.

4) First Aid Measurers

Eyes: If symptoms develop, remove from exposure. Flush eyes with low pressure water to reduce irritation. If symptoms persist, seek immediate medical attention.

Skin: Remove affected clothing. Flush affected skin with water to reduce irritation. If symptoms persist, seek medical attention.

Ingestion: If symptoms develop, seek medical attention/advice.

Inhalation: If symptoms develop, move away from exposure and into fresh air. If symptoms persist, keep the person warm and quiet. Seek medical attention. If breathing is difficult, administer oxygen.

NOTE TO PHYSICIAN: Possible Aspiration Hazard. Note hazardous material component(s) (Section 2).

5) Fire Fighting Measurers**Flammable Properties**

Flash Point	No Flash	Method: No Applicable
Flammable Limits:		
Lower Flammable Limits:		Unknown
Upper Flammable Limits:		No Data

Autoignition Temperature:	Not Applicable
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Hazardous Combustion Products:	Products of thermal decomposition may include carbon monoxide, carbon dioxide, and oxides of nitrogen and hydrocarbons.
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Extinguishing Media: As appropriate with surrounding media.

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Fire Fighting Instructions: As appropriate with surrounding media. Under fire conditions, containers may explode from steam pressure. Wear self-contained breathing apparatus.

6) Accidental Release Measures

Personal Precautions: Provide adequate ventilation. Wear appropriate personal protective equipment (PPE) and exclude those unprotected from the area. Eliminate all sources of ignition.

Environmental Precautions: Stop spill at source. Prevent product from spreading and from entering sewers, or other bodies of water. Notify supervisors or proper authorities that a spill has occurred. (See Section 13 for Disposal Information)

Methods for Cleaning Up: Immediately collect and containerize uncontaminated product and use in non-critical areas if possible. It contaminated (dirt, deleterious materials, etc..) containerize and absorb any residue or unrecoverable product with vermiculite, floor absorbent, etc.

7) Handling and Storage

Handling: PROTECT FROM FREEZING. Handle all containers (even empty) with caution. Use recommended PPE (Section 8) when handling containers. Ensure the availability of emergency eyewash and shower facilities.

Storage: PROTECT FROM FREEZING. Avoid storage in high temperature areas. Store closed containers away from ignition sources and incompatible materials. Keep containers tightly closed.

8) Exposure Controls/Personal Protection

Engineering Controls: Ambient conditions should be adequate. Local exhaust is recommended when necessary to reduce concentration below the TLV. Always provide mechanical ventilation of confined spaces.

Respiratory Protection: Use an approved (NIOSH/MSHA) respirator with an assessed protection factor > 26. Respirator type: Chemical cartridge; mist, organic vapor (appropriate up to 10X PEL) with dust particulate filter. Consult your Safety Administrator. Respiratory protection should be in compliance with standard 29 CFR1910.134.

Skin Protection: During handling and application wear chemical resistant gloves, rubber or Buna N. Wear clothing/coveralls appropriate for the risk of exposure.

Eye Protection: During handling and application, minimum recommended protection is safety glasses with fixed side shields in compliance with OSHA regulations. Chemical type splash proof goggles are advised. Consult your Safety Administrator.

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Boiling Point	212°F (100°C)
Melting Point	Not Applicable
Vapor Pressure	Unknown
Vapor Density	Heavier than Air (Air >1)
Solubility in Water	Soluble
Specific Gravity	1.05 +/- 0.01
PH	10.3 +/- 0.1
Odor	Slight amine odor
Appearance	Clear liquid

10) Stability and Reactivity

Stability:	Stable Product
Incompatible (Conditions to Avoid):	Avoid contact/exposure to strong oxidizing agents (nitric acid, permanganate).
Hazardous Decomposition Products:	Products of decomposition include carbon monoxide, carbon dioxide, hydrocarbons, and oxides of nitrogen.
Hazardous Polymerization:	This product will NOT undergo hazardous polymerization.
Thermal Decomposition:	No decomposition when used as directed.

11) Toxicological Information

Exposure Limit of Material:	See Section 2
Carcinogenicity:	The following components of this product have been identified by ACGIH, IARC, NTP, and/or OSHA as confirmed/suspected human carcinogens: None reported above the 0.1% threshold.
Medical Conditions Aggravated by Over Exposure:	In unusual cases, certain pre-existing eye and skin disorders may be aggravated by contact./exposure to this product.

12) Ecological Information

Ecotoxicological Information:	No Data
Chemical Fate Information:	No data

13) Disposal Considerations

As local regulations may vary, all waste must be disposed of in accordance with Federal, State, and Local Environmental Protection Regulations. Perform a waste determination. As provided, Raybo 218 does NOT exhibit any of the hazardous characteristics of 40 CFR 261 Sub Part C and may be landfilled.

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Confer with landfill operator. If other means fail, incineration is the preferred disposal method. Preferably; to minimize waste, use ONLY what you need for the application process. Store product properly for future use.

14) Transport Information

Land: USA: Paint Related Material (Non-regulated Liquid)
 International: Paint Related Material (Non-regulated Liquid)
 Marine: IMDG/GGVSee: Paint Related Material (Non-regulated Liquid)
 Air ICAO/IATA: Paint Related Material (Non-regulated Liquid)

15) Regulatory Information

USA: Consult 29 CFR for applicable OSHA regulations. See Section 2 for permissible exposure limits. See Section 8 for minimum personal protection recommendations.

CERCLA: Reportable Quantities (RQ): None reported

SARA Hazard Categories: Immediate () Delay (X) Fire () Reactive ()
 Sudden Release of Pressure ()

SARA 313 Reportable: None reported

HAP (Hazardous Air Pollutants):

VOC (Volatile Organic Content): Not Applicable

State "Right to Know": The following states have "Right to Know" laws, which may require user notification of Section 2 ingredients. Consult appropriate authorities to determine applicability. CA, NJ, PA, MA, CT, FL, LA, NY, RI.

Specifically: NJ "Right to Know" contents partially unknown

CAS	CA Prop 65	NJ	PA	MA
None Reported				

International

Canadian NPRI:
 Canadian WHMIS: Not regulated

AICS – Australian Inventory of Chemical Substances:	Listed
EINECS – European Inventory of Existing Commercial Chemical:	Listed
CEPA (DSL) Canadian Environmental Protection Act:	Listed
MITI – Japanese Existing & New Chemical Substances List:	Listed

CA Proposition 65: None Reported

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The provided information pertains to this product as currently formulated, and is based on information made available to us at this time. Addition of reducers or additives to this product may substantially alter the composition and hazards of this product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Department Issuing Safety Data Sheet

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