

SAFETY DATA SHEET**Trade Name:** Raybo 90 NoRust NF**Version:** 2.0**Date:** 5-28-08**1) Identification of the Substance/Preparation and Company****Trade Name:** **Raybo 90 NoRust NF****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%
N-Butylamine CAS NO: 109-73-9 Einecs NO: 203-699-2	5 PPM (Skin)	5 PPM (Skin)	
Cyclicamine CAS NO: * Einecs NO:	20 PPM (Skin)	20 PPM (Skin)	
Molybdenum as Metal CAS NO: 7439-98-7 Einecs NO:	5 mg/m ⁰	5 mg/m ⁰	
Fatty Acid/Amine Complex CAS NO: * Einecs NO:		Not Established	
Ammonium Benzoate CAS NO: 1863-63-4 Einecs NO: 217-468-9		Not Established	

NOTE: CONTENTS PARTIALLY UNKNOWN

* SPECIFIC IDENTITY WITHHELD ON TRADE SECRET GROUNDS.

3) Potential Health Effects and Hazards

HMIS Rating: Health (2) Flammability (0) Reactivity (0) Personal Protection ()

SAFETY DATA SHEET**Trade Name:** Raybo 90 NoRust NF**Version:** 2.0**Date:** 5-28-08

Eye: Contact/exposure to liquid or high vapor concentrations may cause possible eye irritation. Symptoms include redness and tearing.

Skin: Contact/exposure may cause skin irritation. Symptoms include redness.

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.

Inhalation: Breathing of vapor or mist during normal handling and use is possible. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts during application or misuse of product may result in respiratory irritation and headache.

Chronic: No Data
(Information)

Developmental: No data. As a precaution, avoid prolonged or repeated
(Information) contact/exposure to liquid or vapor.

Symptoms of Exposure: Signs and symptoms of exposure to this product may include eye irritation (redness and tearing), respiratory irritation, skin irritation (redness), and headache.

4) First Aid Measurers

Eyes: If symptoms develop, remove from exposure. Flush eyes with 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 immediate medical attention.

Ingestion: If symptoms develop, seek medical attention/advise. Do NOT induce vomiting.

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 >200°F

Method: Tag Closed Cup (TCC)

Flammable Limits:

Lower Flammable Limits: Unknown

Upper Flammable Limits: Unknown

Autoignition Temperature:

No Data

SAFETY DATA SHEET**Trade Name:** Raybo 90 NoRust NF**Version:** 2.0**Date:** 5-28-08

Hazardous Combustion Products: Once water has evaporated, combustion can occur producing oxides of carbon, nitrogen, and hydrocarbons.

Extinguishing Media: Carbon dioxide or dry chemical for small fires. Alcohol type or general-purpose foam for large fires. Cool exposed containers with water spray. Product itself, does NOT burn. Sealed containers can rupture from steam pressure.

Fire Fighting Instructions: Wear self-contained breathing apparatus with all appropriate turnout gear and chemical resistant protective equipment.

6) Accidental Release Measures

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

Environmental Precautions: Prevent discharge to streams, lakes, or other bodies of water. Pump the liquid to a salvage tank. Notify supervisors or proper authorities that a spill has occurred. (See Section 13 for Disposal Information)

Methods for Cleaning Up: Stop spill at source. Immediately collect and containerize uncontaminated product and use in non-critical areas if possible. If contaminated (dirt, deleterious materials, etc..) containerize and absorb any residual 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. Avoid storage in high temperature areas or exposure to sparks or open flames. Ensure the availability of emergency eyewash and shower facilities.

Storage: PROTECT FROM FREEZING. Store closed containers in a cool, well ventilated place away from ignition sources and incompatible materials. Keep containers tightly closed.

8) Exposure Controls/Personal Protection

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

Respiratory Protection: Not normally required. If vapor concentration becomes high, increase ventilation or use an approved (NIOSH/MSHA) respirator. Respirator type: Chemical

SAFETY DATA SHEET**Trade Name:** Raybo 90 NoRust NF**Version:** 2.0**Date:** 5-28-08

cartridge; mist, organic vapor (appropriate up to 10X PEL) with dust (particulate) pre-filter. Consult your Safety Administrator. Respiratory protection should be in compliance with standard 29 CFR1910.134.

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

Eye Protection: During handling of liquid and open containers, minimum recommended protection is chemical splash proof goggles in compliance with OSHA regulations. Other types of safety glasses may be permitted. Consult your Safety Administrator.

9) Physical and Chemical Properties

Boiling Point	212°F
Melting Point	Not Applicable
Vapor Pressure	17 mm Hg @ 68°F
Vapor Density	>1 (Air – 1)
Solubility in Water	Soluble
Specific Gravity	1.05 ± 0.01
PH	10.3
Odor	Amine odor
Appearance	Clear straw colored liquid

10) Stability and Reactivity

Stability: Stable Product

Incompatible (Conditions to Avoid): Avoid contact with or exposure to concentrated mineral acids. PROTECT FROM FREEZING.

Hazardous Decomposition Products: None reported

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: None reported

12) Ecological Information

Ecotoxicological Information: No Data

SAFETY DATA SHEET**Trade Name:** Raybo 90 NoRust NF**Version:** 2.0**Date:** 5-28-08

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. Add sodium chloride until the organics separate from the water. Process the water as a municipal waste. Incinerate or consign the organics to a Hazardous Waste Facility. Preferably; to minimize waste, use ONLY the amount necessary for the intended purpose. Store product properly for future use.

14) Transport Information

Land: USA: Corrosive Liquid N.O.S. (N-Butylamine) UN1760, Class 8, PGIII

International: Corrosive Liquid N.O.S. (N-Butylamine) UN1760, Class 8, PGIII

Marine: IMDG/GGVSee: Corrosive Liquid N.O.S. (N-Butylamine) UN1760, Class 8, PGIII, EMS F-A, S-B

Air ICAO/IATA: Corrosive Liquid N.O.S. (N-Butylamine) UN1760, Class 8, PGIII

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): Ammonium Benzoate 5000#

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

SARA 313 Reportable: None

HAP (Hazardous Air Pollutants): None

VOC (Volatile Organic Content):

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
N-Butylamine	109-73-9	No	X	No	X
Cyclicamine	*	No	X	X	X
Ammonium Benzoate	217-468-9	No	X	No	No
Molybdenum	7439-98-7	No	X	X	X

SAFETY DATA SHEET**Trade Name:** Raybo 90 NoRust NF**Version:** 2.0**Date:** 5-28-08

International

Canadian NPRI:

Canadian WHMIS: Class D, Division 2, Sub B, Class E

CEPA (DSL) Canadian Environmental Protection Act: HMIRC #6414 - Under Review 5-24-06

AICS – Australian Inventory of Chemical Substances: Listed

EINECS – European Inventory of Existing Commercial Chemical: Listed

MITI – Japanese Existing & New Chemical Substances List: Listed

CA Proposition 65: None Reported

16) Other Information

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

Raybo Chemical Company
PO Box 2155
Huntington, WV 25721
Telephone: 304-525-5171
Fax: 304-525-2921