

SAFETY DATA SHEET

Trade Name: Raybo 80 No Rust

Version: 2.0

Date: 2-20-08

1) Identification of the Substance/Preparation and CompanyTrade Name: **Raybo 80 NoRust****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%
Sodium Nitrite CAS NO: 7632-00-0 Einecs NO: 007-010-004		Not Established	20%
Sodium Benzoate CAS NO: 532-32-1 Einecs NO:		Not Established	10%
2-Dimethylaminoethanol CAS NO: 108-01-0 Einecs NO: 603-047-00-0		Not Established	

NOTE: CONTENTS PARTIALLY UNKNOWN

3) Potential Health Effects and Hazards

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

Eye: Can be absorbed through eye tissue.

Skin: Can be absorbed through unbroken skin.

Ingestion: Ingestion can result in GI disorders. The ingestion of sodium nitrite has caused shortness of breath, rapid heartbeat, and cyanosis in humans. Sub-chronic ingestion of sodium nitrite has caused sperm effects in animals.

Inhalation: Inhalation may cause damage to contacted tissue.

SAFETY DATA SHEET**Trade Name:** Raybo 80 No Rust**Version:** 2.0**Date:** 2-20-08

Chronic: Chronic exposure may result in an allergic reaction.
(Information)

Developmental: No data

Symptoms of Exposure: Not reported as a human carcinogen. Can be absorbed through eye tissue and unbroken skin.

4) First Aid Measurers

Eyes: If symptoms develop, remove from exposure. Flush eyes with water for 20 minutes while holding the eyelids open to reduce irritation. If symptoms persist, seek medical attention.

Skin: Remove affected clothing. Wash 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: Note hazardous material component(s) (Section 2).

5) Fire Fighting Measurers**Flammable Properties**

Flash Point None reported **Method:** Tag Closed Cup (TCC)

Flammable Limits:

Lower Flammable Limits: Not Applicable

Upper Flammable Limits: Not Applicable

Autoignition Temperature: No Data

Hazardous Combustion Products: Products of combustion may include ammonia, oxides of carbon and nitrogen, and hydrocarbons.

Extinguishing Media: Carbon dioxide or dry chemical for small fires. Alcohol type or general purpose foam for large fires. This product becomes combustible when sufficient water has been evaporated. If combusted, water spray may be ineffective but may be used to cool containers to prevent pressure buildup and possible auto-ignition when exposed to heat. Under fire conditions, sealed containers may rupture from steam pressure.

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

SAFETY DATA SHEET**Trade Name:** Raybo 80 No Rust**Version:** 2.0**Date:** 2-20-08**6) Accidental Release Measures**

- Personal Precautions:** Provide adequate ventilation. Wear appropriate personal protective equipment (PPE) and exclude those unprotected from the area. Treat as a combustible liquid. Eliminate all sources of ignition.
- Environmental Precautions:** Prevent discharge to streams, lakes, 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:** 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:** Handle all containers (even empty) with caution. PROTECT FROM FREEZING. Product may react with containers coated with zinc or zinc alloys. Avoid storage in high temperature areas. Use recommended PPE (Section 8) when handling containers. Ensure the availability of emergency eyewash and shower facilities. Minimize inhalation.
- Storage:** PROTECT FROM FREEZING. Store closed containers in a cool, well ventilated place away from ignition sources and incompatible materials. Keep containers tightly sealed.

8) Exposure Controls/Personal Protection

- Engineering Controls:** Ambient conditions, local exhaust should be adequate. Always provide mechanical ventilation in confined spaces.
- Respiratory Protection:** Not normally required with good ventilation unless atomized mist is encountered, then an approved (NIOSH/MSHA) respirator is required. Consult your Safety Administrator. Respiratory protection should be in compliance with standard 29 CFR1910.134.
- Skin Protection:** During handling wear Amine resistant gloves (Buna N) and clothing appropriate for the risk of exposure.
- Eye Protection:** During handling, the 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 |

SAFETY DATA SHEET**Trade Name:** Raybo 80 No Rust**Version:** 2.0**Date:** 2-20-08

Vapor Pressure	20 mm Hg @ 68°F
Vapor Density	>1
Solubility in Water	Soluble
Specific Gravity	1.17 ± 0.01
PH	
Odor	Mild amine
Appearance	Straw colored, clear liquid

10) Stability and Reactivity

Stability: Stable Product

Incompatible (Conditions to Avoid): PROTECT FROM FREEZING. Product may react with containers coated with zinc or zinc alloys. Avoid contact with or exposure to concentrated mineral acids.

Hazardous Decomposition Products: Products of decomposition include ammonia, oxides of carbon and nitrogen, and hydrocarbons.

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: Pre-existing upper respiratory, skin, and eye disorders may be affected by exposure to this product.

Mutagenicity: Sodium Nitrite has tested positive for in-vitro mutagenic effects in the Ames test with and without metabolic activation.

Synergistic Materials: Dimethylamine, Hydrochloride, and Methylbenzylamine Hydrochloride react synergistically with Sodium Nitrite.

12) Ecological Information

SAFETY DATA SHEET**Trade Name:** Raybo 80 No Rust**Version:** 2.0**Date:** 2-20-08

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. **DO NOT LANDFILL.** Incinerate or consign to a Hazardous Waste Facility. Preferably; to minimize waste, use **ONLY** what you need for the application process. Store product properly for future use.

14) Transport Information

Land: USA: Corrosive Liquid, Basic, Organic, N.O.S. (Dimethylaminoethanol, Sodium Nitrite) 8, UN3267, PGIII

International: Corrosive Liquid, Basic, Organic, N.O.S. (Dimethylaminoethanol, Sodium Nitrite) 8, UN3267, PGIII

Marine: IMDG/GGVSee: Corrosive Liquid, Basic, Organic, N.O.S.
(Dimethylaminoethanol, Sodium Nitrite) 8, UN3267,
PGIII, EMS F-A, S-F

Air ICAO/IATA: Corrosive Liquid, Basic, Organic, N.O.S.
(Dimethylaminoethanol, Sodium Nitrite) 8, UN3267,
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):
Sodium Nitrite 100#

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

SARA 313 Reportable:
Sodium Nitrite 20%

HAP (Hazardous Air Pollutants) None Reported

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

SAFETY DATA SHEET**Trade Name:** Raybo 80 No Rust**Version:** 2.0**Date:** 2-20-08

CAS	CA Prop 65	NJ	PA	MA
None Reported				

International

Canadian NPRI:	
Canadian WHMIS:	Listed
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
TCCL – Korean Chemical Substance:	Listed
IECSC – Chinese Chemical Substance 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