

**SAFETY DATA SHEET****Trade Name:** Raybo 63 Disperse**Version:** 2.0**Date:** 2-21-08**1) Identification of the Substance/Preparation and Company****Trade Name: Raybo 63 Disperse****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**

<b>Hazardous Ingredients</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>% by Weight</b>
Diethylaminoethanol	10 PPM	2 PPM (Skin)	2.26%
CAS NO: 100-37-8			
Einecs NO: 603-048-00-6			

NOTE: CONTENTS PARTIALLY UNKNOWN

**3) Potential Health Effects and Hazards**

HMIS Rating: Health (3) Flammability (1) Reactivity (0) Personal Protection ( )

**Eye:** Contact/Exposure to liquid or high vapor concentrations can cause severe eye irritation. Possible permanent damage. Symptoms include stinging, tearing, redness, and swelling. Blurred vision symptomatic of eye damage.

**Skin:** Contact/Exposure may cause moderate skin irritation with itching and local redness. Skin may become inflamed. Prolonged or repeated exposure may cause more severe skin irritation with discomfort, itching, redness, and possible tissue damage.

**Ingestion:** Ingestion/swallowing of this material during normal handling may cause nausea/vomiting. May be harmful if ingested in larger quantities. May be aspirated into lungs.

**Inhalation:** Breathing of vapor or mist during normal handling and use is possible. Exposure above PEL(s) (Section 2) may produce respiratory irritation. May experience irritation to mucous membranes. Significant exposure may cause nausea, vomiting, and diarrhea.

**SAFETY DATA SHEET****Trade Name:** Raybo 63 Disperse**Version:** 2.0**Date:** 2-21-08Chronic:  
(Information) No DataDevelopmental:  
(Information) No Data. As a precaution, avoid prolonged or repeated exposure to liquid or vapor.

Symptoms of Exposure: Signs and symptoms of exposure to this product may include irritation to eyes (redness, tearing, and blurred vision). Skin may become inflamed. Overexposure via inhalation or ingestion may cause nausea, vomiting, and diarrhea.

**4) First Aid Measurers**

Eyes: If symptoms develop, remove from exposure. Flush eyes with water while holding eyelids open. If symptoms persist, seek immediate medical attention.

Skin: Remove affected clothing. Flush exposed skin with water. 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 person warm and quiet. Seek medical attention. If breathing is difficult, administer oxygen.

**NOTE TO PHYSICIANS:** Possible Aspiration Hazard. Note hazardous material component(s) (Section 2).**5) Fire Fighting Measurers****Flammable Properties**

Flash Point: &gt;200°F (&gt;93°C) Method: Tag Closed Cup (TCC)

Flammable Limits:

Lower Flammable Limit: Unknown

Upper Flammable Limit: Unknown

Autoignition Temperature: No Data

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

Extinguishing Media: Carbon dioxide and dry chemical for small fires. Alcohol type or general purpose foam for large fires. Water spray may be ineffective. Water may be used to cool containers to prevent pressure buildup and possible autoignition when exposed to heat.

Fire Fighting Instructions: Under fire conditions, the water component can be boiled away and then combustion will occur. Tightly sealed containers may explode from

**SAFETY DATA SHEET****Trade Name:** Raybo 63 Disperse**Version:** 2.0**Date:** 2-21-08

steam pressure when exposed to excessive heat. Wear self-contained breathing apparatus with all appropriate turn-out gear and protective equipment for surrounding media.

**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:** 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 containers (even empty) with caution. Do NOT use in or around high temperature areas. Capped containers may build up pressure when exposed to heat and may explode violently. PROTECT FROM FREEZING. Use recommended PPE when handling containers. Ensure availability of emergency eyewash and shower facilities.
- Storage:** PROTECT FROM FREEZING. Keep containers tightly closed. Store closed containers in a cool, well ventilated place away from ignition sources and incompatible material.

**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 of confined spaces.
- Respiratory Protection:** Not normally required with good ventilation. If vapor concentration becomes high, increase ventilation to reduce vapors or use an approved (NIOSH/MSHA) respirator. Respirator type: chemical cartridge; mist, organic vapor; may be appropriate up to 10X PEL with dust (particulate) prefilter. Consult your safety administrator. Respiratory protection should be used in compliance with OSHA standard 29 CFR 1910.134.
- Skin Protection:** During handling and application, wear solvent/chemical resistant gloves, rubber or Buna N. Wear clothing/coveralls appropriate for the risk of exposure.

**SAFETY DATA SHEET****Trade Name:** Raybo 63 Disperse**Version:** 2.0**Date:** 2-21-08

Eye Protection: During handling and application, minimum recommended protection is chemical splash proof goggles in compliance with OSHA requirements. Other type(s) safety glasses may be permitted. Consult your safety administrator.

**9) Physical and Chemical Properties**

Boiling Point: 212°F (100°C)  
 Melting Point: Not Applicable  
 Vapor Pressure: Unknown  
 Vapor Density: 2.5 (Air = 1)  
 Solubility in Water: Soluble  
 Specific Gravity: 0.984 +/- 0.006  
 PH Range: 9.9 +/- 0.1  
 Odor: Mild organic odor  
 Appearance: Amber liquid

**10) Stability and Reactivity**

Chemical Stability: Stable Product

Incompatibility (Conditions to Avoid): Avoid contact with or exposure to strong acids. PROTECT FROM FREEZING.

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

Hazardous Polymerization: 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 of Material: The following components of this product have been identified by ACGIH, IARC, NTP, and/or OSHA as confirmed/suspected human carcinogens: None

Medical Conditions Aggravated by Over Exposure: Certain pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product.

**12) Ecological Information**

Ecotoxicological Information: No Data

Chemical Fate Information: No Data

**SAFETY DATA SHEET****Trade Name:** Raybo 63 Disperse**Version:** 2.0**Date:** 2-21-08**13) Disposal Considerations**

**Disposal Information:** 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. If regulations permit, sodium chloride may be added until the organics precipitate from the water. The water may be processed as industrial waste. Incinerate organics 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.  
(Diethylaminoethanol) 8, UN3267, PGIII, Freight Class 85

**International:** Corrosive Liquid Basic, Organic N.O.S.  
(Diethylaminoethanol) 8, UN3267, PGIII, Freight Class 85

**Marine: IMDG/GGVSee:** Corrosive Liquid Basic, Organic N.O.S.  
(Diethylaminoethanol) 8, UN3267, PGIII, Freight Class 85, EMS F-A, S-B

**Air ICAO/IATA:** Corrosive Liquid Basic, Organic N.O.S.  
(Diethylaminoethanol) 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. NOTE: Diethylaminoethanol has a ACGIH ceiling of 2 PPM with a skin notation.

**CERCLA:** Reportable Quantities (RQ)  
Not Applicable

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

**SARA 313 Reportable:** Diethylaminoethanol 2.26%

**HAP (Hazardous Air Pollutants)** None

**VOC (Volatile Organic Content):**  
Excluding Water: 3.14#/gal 377gm/L  
Including Water & Exempt Solvent): 0.66#/gal 79 gm/L

**State "Right to Know":** The following states have "Right to Know" laws, which may require user notification of Section 2 ingredients. Consult

**SAFETY DATA SHEET****Trade Name:** Raybo 63 Disperse**Version:** 2.0**Date:** 2-21-08

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
Diethylaminoethanol	100-37-8	X	X	X	X

CA Proposition 65: None Reported

**International**

Canadian NPRI:

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

CEPA (DSL) Canadian Environmental Protection Act: Listed

AICS – Australian Inventory of Chemical Substances: Listed

EINECS – European Inventory of Existing Commercial Chemical: Listed

MITI – Japanese Existing & New Chemical Substances List: Listed

**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