

**SAFETY DATA SHEET****Trade Name:** Raybo 38 Nilflo**Version:** 3.0**Date:** 4-8-08**1) Identification of the Substance/Preparation and Company****Trade Name:** **Raybo 38 Nilflo****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>SARA 313%</b>
Solvent Naphtha (Petroleum) Medium Aliphatic	100 PPM	100 PPM	24.6%
CAS NO: 64742-88-7			
Einecs NO: 265-192-2			

NOTE: CONTENTS PARTIALLY UNKNOWN

**3) Potential Health Effects and Hazards**

HMIS Rating: Health (1) Flammability (2) Reactivity (0) Personal Protection ( )

**Eye:** Contact/Exposure with liquid or high vapor concentrations can cause moderate to severe eye irritation. Symptoms include stinging, tearing, redness, and blurred vision.

**Skin:** Brief exposure may cause skin irritation. Prolonged or repeated exposure may cause defatting and drying of the skin which may result in dermatitis.

**Ingestion:** Single dose oral toxicity is low. Ingestion/swallowing small amounts of this material during normal handling are not likely to cause harmful effects. Swallowing large amounts may result in severe GI irritation.

**Inhalation:** Breathing of vapor or mist during normal handling and use is possible. Breathing large amounts during application or misuse of product may be harmful. Avoid air concentrations exceeding recommended exposure limits (see Section 2).

**SAFETY DATA SHEET****Trade Name:** Raybo 38 Nilflo**Version:** 3.0**Date:** 4-8-08Chronic:  
(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 through breathing, swallowing, and/or passage of product components through the skin may include skin irritation (burning, redness), stomach or intestinal upset, irritation of airways, and central nervous system depression which may lead to unconsciousness.

**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 to reduce irritation. If symptoms persist, seek medical attention.

Ingestion: If symptoms develop, seek medical attention/advice. Contact a doctor or poison control center for advice about whether to induce vomiting.

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: 120°F (49°C) Method: Tag Closed Cup (TCC)

Flammable Limits:

Lower Flammable Limit: 1.0%  
Upper Flammable Limit: Unknown

Autoignition Temperature: No Data

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

Extinguishing Media: Carbon Dioxide, Dry Chemical for small fires. Alcohol type or general purpose foam for large fires. Water spray may be ineffective but may be used to cool fire exposed containers.

Fire Fighting Instructions: Wear self-contained breathing apparatus with all appropriate turnout gear and chemical resistant protective equipment. Smother to exclude air. Handle as an oil fire.

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- 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.

**7) Handling and Storage**

- Handling:** Handle containers (even empty) with caution. Combustible liquid. Do NOT use product near heat, spark, open flame, or other sources of ignition. Empty containers retain product residue (vapor, liquid, and/or solids). Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by ignition sources at locations distant from the handling point. Use recommended PPE when handling containers. Ensure availability of emergency eyewash and shower facilities. Minimize inhalation.
- Storage:** Store closed containers in a cool, well ventilated place, away from ignition sources and incompatible material. Keep containers tightly closed.

**8) Exposure Controls/Personal Protection**

- Engineering Controls:** Provide sufficient mechanical (general or local exhaust) ventilation to maintain exposure below TLV(s) listed in Section 2. Always provide mechanical ventilation of confined spaces.
- Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits, (Section 2), an approved (NIOSH/MSHA) respirator must be worn. Respirator type: chemical cartridge; mist, organic vapor; may be appropriate up to 10X PEL. 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.
- Eye Protection:** During handling and application, minimum recommended protection is chemical splash proof goggles in compliance with OSHA regulations. Other type(s) safety glasses may be permitted. Consult your safety administrator.

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Boiling Point: 300°F (149°C)  
Melting Point: Not applicable  
Vapor Pressure: (for product) 2 mmHg @ 68°F  
Vapor Density: 4.9 (Air = 1)  
Solubility in Water: Insoluble in water  
Specific Gravity: 0.90  
PH: Not applicable  
Odor: Mild solvent odor  
Appearance: Light brown, semi-solid

**10) Stability and Reactivity**

Chemical Stability: Stable Product

Incompatibility (Conditions to Avoid): Avoid contact with or exposure to strong oxidizing agents such as Nitric Acid or Permanganate. Avoid ignition sources.

Hazardous Decomposition Products: Products of decomposition may include carbon monoxide, carbon dioxide, and various petroleum hydrocarbons.

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: Benzene

Ethyl Benzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) has classified Ethyl Benzene as a possible human carcinogen.

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

**12) Ecological Information**

Ecotoxicological Information: No Data

Chemical Fate Information: No Data

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**Disposal Information:** As local regulations may vary, all waste must be disposed of in accordance with federal, state, and local environmental protection regulations. This product is considered a hazardous waste if discarded (by ignitibility, Flash Point < 140°F). Do not landfill. Incinerate or consign 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:** Non-regulated Liquid

**International:** Flammable Liquid N.O.S. (Petroleum Aliphatic Hydrocarbon) 3, UN1993, PGIII

**Marine: IMDG/GGVSee:** Flammable Liquid N.O.S. (Petroleum Aliphatic Hydrocarbon) 3, UN1993, PGIII, IMCO Class 3.3, EMS F-E, S-E

**Air ICAO/IATA:** Flammable Liquid N.O.S. (Petroleum Aliphatic Hydrocarbon) 3, UN1993, 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): None Reported

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

**SARA 313 Reportable:** None Reported

**HAP (Hazardous Air Pollutants):** None Reported

**VOC (Volatile Organic Content):** 2.1 lbs./gal (251.7 gm/L)

**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

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CA Proposition 65: None Reported

## International

Canadian NPRI:

Canadian WHMIS: Class D, Division 2, Sub B, Class B, Division 3.

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 &amp; 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

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