

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08**1) Identification of the Substance/Preparation and Company****Trade Name:** **Raybo 64 AquaSilk****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>
Xylene CAS NO: 1330-20-7 Einecs NO: 215-535-7	100 PPM	100 PPM	39.8
N-Butanol CAS NO: 71-36-3 Einecs NO: 603-004-00-6	50 PPM	50 PPM (Skin)	46.1
Benzene CAS NO: 71-43-2 Einecs NO: 601-020-00-8	1 PPM	10 PPM (Max)	2.6 PPM
Ethyl Benzene CAS NO: 100-41-4 Einecs NO: 202-849-4	100 PPM	100 PPM	11.4
Toluene CAS NO: 108-88-3 Einecs NO: 203-625-9	100 PPM	50 PPM (Skin)	0.5

NOTE: CONTENTS PARTIALLY UNKNOWN

**3) Potential Health Effects and Hazards**

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

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08

Eye:	Contact/Exposure to liquid or high vapor concentrations can cause severe eye irritation. Possible damage. Symptoms include stinging and tearing. Blurred vision symptomatic of eye damage.
Skin:	Brief contact/exposure may cause slight skin irritation with itching and local redness. Prolonged or repeated exposure may result in defatting and skin dermatitis. Absorption is possible.
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 severe GI irritation.
Inhalation:	Breathing of vapor or mist during normal handling and use is possible. Exposure above PEL(s) (Section 2) may be potentially harmful and irritating. May experience respiratory irritation, nausea, and sensory depression. Xylene has been associated with liver & kidney damage. Ingestion of ethyl alcohol even hours after exposure to xylene may intensify possible damage.
Chronic: (Information)	Prolonged or repeated exposure to this product without appropriate PPE is potentially harmful.
Developmental: (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 eye contact, breathing, swallowing, and/or passage of product components through the skin may include moderate to severe eye irritation, skin irritation (burning, itching, and redness), stomach or intestinal upset, irritation of airways, central nervous system depression, and cardiac abnormalities.

**4) First Aid Measures**

Eyes:	If symptoms develop, remove from exposure. Flush eyes with water for at least 20 minutes while holding eyelids open. If symptoms persist, seek immediate medical attention.
Skin:	Remove affected clothing. Flush exposed skin with large amounts of water. If skin is damaged or 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).

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08**5) Fire Fighting Measurers****Flammable Properties**

Flash Point: 80°F (27°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 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: Wear self-contained breathing apparatus with all appropriate turn-out gear and chemical resistant protective equipment. Smother to exclude air. Handle as an oil fire.

**6) Accidental Release Measurers**

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. Transfer to salvage vessel if possible. 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. Static charge may accumulate on containers. Metal containers (5 gallon or larger) should be grounded and bonded when product is transferred. 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

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08

handling point. Use recommended PPF when handling containers.  
Ensure availability of emergency eyewash and shower facilities.

**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 requirements. Other type(s) safety glasses may be permitted. Consult your safety administrator.

**9) Physical and Chemical Properties**

**Boiling Point:** 243°F (117°C)  
**Melting Point:** Not Applicable  
**Vapor Pressure:** > 5mmHg @ 68°F  
**Vapor Density:** 2.6 – 3.6 (Air = 1)  
**Solubility in Water:** Partially soluble  
**Specific Gravity:** 0.84 +/- 0.006  
**PH:** Not Applicable  
**Odor:** Aromatic odor  
**Appearance:** Blue liquid

**10) Stability and Reactivity**

**Chemical Stability:** Stable Product

**Incompatibility (Conditions to Avoid):** Avoid contact with or exposure to strong oxidizing agents (nitric acid, permanganate). Avoid ignition sources, heat, sparks, open flames, and etc.

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

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08

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 2-Butoxy Ethanol is under investigation as a possible human carcinogen.

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.

Synergistic Effects: Xylene interacts synergistically with N-Hexane to enhance mid-range hearing loss.

**12) Ecological Information**

Ecotoxicological Information: No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting.

Chemical Fate Information: No Data

**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. This product is considered a hazardous waste if discarded (by ignitibility, FP <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 Paint Related Material, 3, UN1263, PGIII

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08

International: Flammable Liquid N.O.S. (Xylene, N-Butanol) 3,  
UN1993, PGIII, IMCO Class 3.3, Class 55,  
NMFC149980-02

Marine: IMDG/GGVSee: Flammable Liquid N.O.S. (Xylene, N-Butanol) 3,  
UN1993, PGIII, IMCO Class 3.3, Class 55,  
NMFC149980-02, EMS F-E, S-E

Air ICAO/IATA: Flammable Liquid N.O.S. (Xylene, N-Butanol) 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)

Benzene	10#
Xylene	100#
Ethyl Benzene	1000#
Toluene	1000#
N-Butanol	5000#

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

SARA 313 Reportable:

Xylene	1330-20-7	39.8%
Ethyl Benzene	100-41-4	11.4%
N-Butanol	71-36-3	46.1%
Toluene	108-88-3	0.5%

HAP (Hazardous Air Pollutants):

Xylene, Ethyl Benzene

VOC (Volatile Organic Content): 6.86#/gal 822.1gm/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
Benzene	71-43-2	X	X	X	X
Toluene	108-88-3	X	X	X	X
Xylene	1330-20-7	X	X	X	X
N-Butanol	71-36-3	X	X	X	X
Ethyl Benzene	100-41-4	X	X	X	X

CA Proposition 65: Benzene is listed as a human carcinogen.  
Benzene & Toluene are listed as reproductive toxins.

**SAFETY DATA SHEET****Trade Name:** Raybo 64 AquaSilk**Version:** 1.0**Date:** 1-23-08

International

Canadian NPRI:

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

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
IECSC – Chinese Chemical Substance List:	Listed
TCCL – Korean Chemical Substance 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**

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