

**SAFETY DATA SHEET****Trade Name:** Raybo 3 AntiSilk**Version:** 4.0**Date:** 4-30-08**1) Identification of the Substance/Preparation and Company****Trade Name:** **Raybo 3 AntiSilk****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	39.95
Solvent Naphtha (Petroleum) Medium Aliphatic CAS NO: 64742-88-7 Einecs NO: 265-192-2	100 PPM	100 PPM	45.81
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

NJ Contents Partially Unknown

**3) Potential Health Effects and Hazards**

HMIS Rating: Health (1) Flammability (3) 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, halo, and blurred vision.

**SAFETY DATA SHEET****Trade Name:** Raybo 3 AntiSilk**Version:** 4.0**Date:** 4-30-08

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). Xylene has been associated with liver and 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 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 for at least 20 minutes while holding eyelids open. If symptoms persist, seek immediate medical attention.
Skin:	Remove affected clothing. Wash affected skin with soap and water. If symptoms persist, seek medical attention.
Ingestion:	Seek medical attention. Do <b>NOT</b> induce vomiting. This product contains an aspiration hazard. Maintain head below hips to prevent aspiration.
Inhalation:	If symptoms develop, move away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet.

**NOTE TO PHYSICIANS:** Aspiration hazard, Note hazardous material component(s) (Section 2).

**5) Fire Fighting Measurers****Flammable Properties**

Flash Point:	80°F 27°C	Method: Tag Closed Cup (TCC)
Flammable Limits:		
Lower Flammable Limit:		1.0%

**SAFETY DATA SHEET****Trade Name:** Raybo 3 AntiSilk**Version:** 4.0**Date:** 4-30-08

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.

**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.

Methods for Cleaning Up: Stop spill at source and dike to prevent spreading. Salvage as much spilled material as possible. Absorb the remainder onto sawdust, etc. Dispose of as hazardous waste. Do NOT landfill.

**7) Handling and Storage**

Handling: Handle all containers (even empty) with caution. (Empty containers retain sufficient liquid and vapor to detonate when heated.) Static charge may accumulate on containers. Metal containers, larger than 1 gallon require grounding and bonding when product is transferred. Do NOT use product near heat, sparks, or open flames. Vapors are heavier than air and may travel along the ground or be moved by ventilation. Ignition can occur from sources quite distant from the initial handling point. Use recommended PPE (Section 8) when handling containers. Ensure the availability of emergency eyewash and shower facilities.

Storage: Store 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: Provide sufficient mechanical ventilation (general or local exhaust) to maintain exposure below TLV(s) listed in Section 2. Always provide mechanical ventilation of confined spaces.

**SAFETY DATA SHEET****Trade Name:** Raybo 3 AntiSilk**Version:** 4.0**Date:** 4-30-08

**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 wear chemical resistant gloves, wear clothing appropriate for the risk of exposure.

**Eye Protection:** During handling 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.

**9) Physical and Chemical Properties**

Boiling Point: 279°F (137°C)  
 Melting Point: Not applicable  
 Vapor Pressure: (For product) 2.5 mmHg @ 68°F  
 Vapor Density: 3.6 – 4.9 (Air = 1)  
 Solubility in Water: Insoluble in water  
 Specific Gravity: 0.816 +/- 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 such as Nitric Acid or Permanganate. Avoid possible ignition sources.

**Hazardous Decomposition Products:** Products of decomposition 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:** 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.

**SAFETY DATA SHEET****Trade Name:** Raybo 3 AntiSilk**Version:** 4.0**Date:** 4-30-08

The International Agency for Research on Cancer (IARC) has classified Ethyl Benzene as a possible human carcinogen.

Medical Conditions Aggravated by Over Exposure: Certain preexisting eye, skin, and respiratory 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**

Avoid release to sewers, streams, and other bodies of water. **Do NOT landfill**

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. Contaminated packaging should be emptied completely, appropriately cleaned, and where legal then reused. Uncleanable containers should be recycled.

**14) Transport Information**

Land: USA: Paint Related Material, 3, UN1263, PGIII, GUIDE 128

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

Marine: IMDG/GGVSee: Flammable Liquid N.O.S. (Xylene, Petroleum Aliphatic Hydrocarbon) 3, UN1993, PGIII, IMCO Class 3.3, EMS F-E, S-E, MFAG 310

Air ICAO/IATA: Flammable Liquid N.O.S. (Xylene, Petroleum Aliphatic Hydrocarbon) 3, UN1993, PGIII, GUIDE 128

**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#

**SAFETY DATA SHEET****Trade Name:** Raybo 3 AntiSilk**Version:** 4.0**Date:** 4-30-08

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

## SARA 313 Reportable

Xylene (CAS 1330-20-7) <39.95  
Ethylbenzene (CAS 100-41-4) <11.4%  
Toluene (CAS 108-88-3) 0.5%

HAP (Hazardous Air Pollutants)  
Xylene, Ethylbenzene, Toluene, Benzene

VOC (Volatile Organic Content) 6.67#/gal 799.3g/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	< 3ppm	X	X	X	X
Toluene	108-88-3	<0.5%	X	X	X	X
Xylene	1330-20-7	<39.95%	X	X	X	X
Ethyl Benzene	100-41-4	<11.4%	X	X	X	X

## International

Canadian NPRI: Xylene, Toluene, Benzene  
Canadian WHMIS: Class B, Division 2, Class D, Division 2, Sub A

CEPA (DSL) Canadian Environmental Protection Act: HMIRC  
IECSC – Chinese Chemical Substance List: Listed  
AICS – Australian Inventory of Chemical Substances: Listed  
EINECS – European Inventory of Existing Commercial Chemical: Listed  
MITI – Japanese Existing & New Chemical Substances List: Listed  
TCCL – Korean Chemical Substance: Listed

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

**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

## SAFETY DATA SHEET

**Trade Name:** Raybo 3 AntiSilk

**Version:** 4.0

**Date:** 4-30-08

Telephone: 304-525-5171  
Fax: 304-525-2921