



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** Soluble Oil

**Product Number (s):** SL2512 – SL2519

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-8963
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Amber liquid, faint petroleum odor

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

**EYE:** Direct contact irritates slightly with redness and swelling.

**SKIN:** Concentrate may cause irritation. Repeated or prolonged contact can result in drying of the skin.

**INHALATION:** Inhalation of product vapor or mist may cause irritation of mucous membranes in nasal passages and throat.

**INGESTION:** May cause stomach pain or vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

**CHRONIC EFFECTS:** Unknown

**TARGET ORGANS:** Unknown

Medical Conditions Aggravated by Exposure:

Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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**Section 3: Composition/Information on Ingredients**

COMPONENT	CAS NUMBER	% by Wt.
Hydrotreated heavy naphthenic distillates	64742-52-5	70 - 90
Hexylene glycol	107-41-5	1 - 5
Fatty acids, tall-oil, potassium salts	61790-44-1	1 – 5
Benzenesulfonic acid, mono-C19-28-alkyl derivs., sodium salts	70024-73-6	1 - 5
Dimethylcocoamine	61788-93-0	0.5 – 1.5

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**Section 4: First Aid Measures**

Eye Contact:	Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
Skin Contact:	Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
Inhalation:	Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
Ingestion:	Do NOT induce vomiting. Administer large amounts of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.
<i>Note to Physicians:</i>	Treat symptomatically.

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**Section 5: Fire-Fighting Measures**

Flammable Properties: As defined by OSHA, this product is nonflammable.

Flash Point:	350 F (COC)	Upper Explosive Limit:	ND
Autoignition Temperature:	ND	Lower Explosive Limit:	ND

Suitable Extinguishing Media: Foam, dry chemicals, sand, dolomite, carbon dioxide

Products of Combustion: Acrid smoke/fumes. Oxides of carbon. Nitrogen. Sulfur.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition. Water may be used to flush spills away from exposures.

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**Section 6: Accidental Release Measures**

Personal Precautions: Use personal protection recommended in Section 8. Minimize skin contact.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush

into sewers or storm drains. Advise authorities if product has entered waterways.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

## Section 7: Handling and Storage

Handling Procedures: Do not reuse container. Keep container closed when not in use. Ventilate well and avoid breathing vapors. Do not store or mix with strong oxidizers. Product contains amines; do not mix with nitrites. Avoid strong heating. Eye wash and emergency shower must be available at the work place.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep away from sources of ignition. Store away from strong acids and oxidizers.

Aerosol Storage Level: NA

## Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Hydrotreated light naphthenic distillates	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Hexylene glycol	NE	25 (v,c)	NE	25 (c)	NE		ppm
Fatty acids, tall-oil, potassium salts	NE	NE	NE	NE	NE		
Benzenesulfonic acid, mono-C19-28-alkyl derivs., sodium salts	NE	NE	NE	NE	NE		
Dimethylcocoamine	NE	NE	NE	NE	NE		
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated      * – oil mist							

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a NIOSH-approved cartridge respirator with organic vapor cartridges if vapors exceed exposure limits. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as neoprene, nitrile or PVC. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

**Section 9: Physical and Chemical Properties**

Physical State: liquid  
 Color: Amber  
 Odor: Mild petroleum  
 Specific Gravity: 0.92  
 Initial Boiling Point: > 500 F  
 Freezing Point: ND  
 Vapor Pressure: ND  
 Vapor Density: > 1 (air = 1)  
 Evaporation Rate: < 1 (butyl acetate = 1)  
 Solubility: forms an emulsion with water  
 pH: 9.5 (for 5% diluted solution)  
 Volatile Organic Compounds: wt %: 2.63      g/L: 24.2      lbs./gal: 7.66

**Section 10: Stability and Reactivity**

Stability: Stable  
 Conditions to Avoid: Sources of ignition, heat  
 Incompatible Materials: Strong acids and oxidizers  
 Hazardous Decomposition Products: Oxides of carbon. Nitrogen. Sulfur.  
 Possibility of Hazardous Reactions: No

**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**ACUTE EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Hydrotreated light naphthenic distillates	LD50	> 5000 mg/kg	Oral	Rat
Hydrotreated light naphthenic distillates	LC50	2.18 mg/L/4H	Inhalation	Rat
Hydrotreated light naphthenic distillates	LD50	> 2000 mg/kg	Dermal	Rabbit

**CHRONIC EFFECTS**

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: No information available

Other: The petroleum base oil contained in this product has been highly refined to remove aromatics and improve performance characteristics. The base oil is not listed as a carcinogen by NTP, IARC, or OSHA.

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### **Section 12: Ecological Information**

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: Hexylene glycol – 48 Hr EC50 Daphnia magna: 3200 mg/L  
Naphthenic distillates – 48 Hr EC50 Daphnia magna: >1000 mg/L  
Persistence / Degradability: No information available  
Bioaccumulation / Accumulation: No information available  
Mobility in Environment: No information available

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### **Section 13: Disposal Considerations**

Disposal: This product is not a RCRA hazardous waste as packaged. (See 40 CFR Part 261.20 – 261.33)  
Used oil should be collected and handled in accordance with 40 CFR Part 279. Used oil that is mixed with hazardous waste may be subject to regulation as hazardous waste.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

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### **Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Not regulated.

Special Provisions: None

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### **Section 15: Regulatory Information**

#### **U.S. Federal**

#### Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

#### Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

#### Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories: Fire Hazard No  
Reactive Hazard No  
Release of Pressure No

Acute Health Hazard      No  
 Chronic Health Hazard    No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
 None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**State Regulations**California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: **None**

State Right to Know:

New Jersey:            107-41-5, 64742-52-5  
 Pennsylvania:        107-41-5, 64742-52-5  
 Massachusetts:      107-41-5  
 Rhode Island :        107-41-5

**Additional Regulatory Information:**      None

**Section 16: Other Information**

NFPA:    Health: 1            Flammability: 1            Reactivity: 0  
 HMIS:    Health: 1            Flammability: 1            Reactivity: 0            PPE: B

Prepared By:    Michelle Rudnick  
 CRC #:            250NC  
 Revision Date:   08/15/2006

Changes since last revision:      MSDS reformatted in accordance with ANSI Z400.1-2004

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration	COC:	Cleveland Open Cup
ACGIH	American Association of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		