



RAZORLUBE SDS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name on Label: MSP RAZORLUBE
 Other Identification: NONE
 Use of the substance/mixture: Corrosion Preventive
 Company name : MOORE OIL COMPANY
 4033 WEST CUSTER AVE
 MILWAUKEE, WI 53209 (414) 462-3200
 Emergency number: (800) 424-9300 - CHEMTREC

SECTION 2: Hazards identification

Classification of the substance or mixture: OSHA Regulatory Status
 This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
 Aspiration toxicity Category 1 Flammable liquids Category 4



Label elements: DANGER

Hazard Statements

May be fatal if swallowed and enters airways

Combustible liquid

Appearance Clear Amber

Physical State Liquid

Odor Solvent

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Wear protective gloves/protective clothing/eye protection/face protection

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do not induce vomiting

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

None known.

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 3: Composition/information on ingredients

Mixture

NAME	PRODUCT IDENTIFIER	% BY WT
Severely hydrotreated light distillates	64742-47-8	90-100
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	8012-95-1	20-30

Physico-chemical properties: Combustible material

The exact percentage (concentration) of composition has been withheld as a trade secret.



RAZORLUBE SDS

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general	Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.
First-aid measures after inhalation	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. In case of shortness of breath, give oxygen. Consult a physician.
First-aid measures after skin contact	Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.
First-aid measures after eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
First-aid measures after ingestion	If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.

Most important symptoms and effects, both acute and delayed: Dermatitis and asthma.

Indication of any immediate medical attention and special treatment needed: Dermatitis and asthma.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Carbon dioxide (CO₂) Dry chemical Foam

Specific hazards: Combustible material. Do not allow material to contaminate ground water system.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific methods: Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

Personal precautions: Remove all sources of ignition. Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling

Environmental precautions: Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ground and bond containers when transferring material Sweep up and shovel into suitable containers for disposal

SECTION 7: Handling and storage

Precautions for safe handling:

Technical measures/precautions: Use only in area provided with appropriate exhaust ventilation.



RAZORLUBE SDS

Safe handling advice: To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep container tightly closed.

Conditions for safe storage, including any incompatibilities:

Technical measures/storage conditions: Keep containers tightly closed in a cool, well-ventilated place

Incompatible products: Strong oxidizing agents

Safe storage temperature: 40 - 100 ° F

Shelf life: 12 months

SECTION 8: Exposure controls/personal protection

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Mineral Oil*	5 mg/m ³	5mg/m ³	5mg/m ³
Diethylene glycol monobutyl ether	10 ppm (TWA)	None	None

Engineering measures: Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Safety glasses with side-shields

Hand protection: Neoprene gloves

Skin and body protection: Long sleeved clothing

Hygiene measures: Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and chemical properties

Physical State Liquid	Appearance Clear Amber
Odor Solvent	Odor Threshold No information available
pH concentrate: No information available	pH Dilution No information available
Melting/freezing point No information available	Boiling Point/Range > 93 °C / 200 °F
Flash Point 70 °C / 158 °F	Method Tag closed cup
Evaporation rate No information available	
Flammability Limits in Air	
upper flammability limit No information available.	
lower flammability limit No information available.	
VOC Content No information available	VOC Content Product (lb/gal) 5.2 (EPA Method 24)
Vapor pressure No information available.	Vapor density No information available.
Specific Gravity (g/cc, 15 C) 0.804	Bulk Density (lb/gal, 15 C) 6.71
Water Solubility Insoluble	Solubility in other solvents No information available.
Partition coefficient: n-octanol/water No information available	
Autoignition temperature No information available	
Decomposition Temperature No information available	
Kinematic viscosity No information available	Dynamic viscosity No information available
Molecular Weight No information available	



RAZORLUBE SDS

SECTION 10: Stability and reactivity

Stability: Stable under recommended storage conditions.

Conditions to avoid: Heat, flames and sparks.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides. Sulphur oxides. Nitrogen oxides (nox).

Hazardous Polymerization: Not applicable.

SECTION 11: Toxicological information

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.

Eye Contact Contact with eyes may cause irritation.

Skin Contact May cause sensitization by skin contact.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Severely hydrotreated light distillates	5000mg/kg(Rat)	2000mg/kg(Rabbit)	5.2mg/L(Rat)4h
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	-	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
Severely hydrotreated light distillates	Not listed	Not listed	Not listed
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	Not listed	Not listed	Not listed

Sensitization Product contains a component that is classified as a skin sensitizer. No studies have been conducted on the product itself.

Mutagenic effects: No information available.

Reproductive Toxicity No information available.

Developmental Toxicity No information available.

Teratogenic No information available.

Specific target organ systemic toxicity (single exposure) No information available.

Specific target organ systemic toxicity (repeated exposure) No information available.

Aspiration hazard May be fatal if swallowed and enters airways. Risk of serious damage to the lungs (by aspiration).

Reports of animal studies using both sexes of several species have shown that kidney effects can occur in male rats after prolonged and repeated inhalation exposures to light hydrocarbon vapors of the general type represented by this product. While the effects are of low order of severity in animals, the implications of these results have not yet been determined.

MINERAL OIL INFORMATION: Any product containing a substance for which OSHA has established a permissible exposure limit (PEL) is considered hazardous. OSHA has established a PEL of 5 mg/m³ for worker exposure to air borne mists of mineral oils. Therefore, the presence of mineral oils brings this product within the provisions of the OSHA Hazard Communication Standard where the PEL reaches or exceeds 5 mg/m³. Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.



RAZORLUBE SDS

SECTION 12: Ecological information

Components	Ecotoxicity - Fish species Data:	Ecotoxicity – Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
Severely hydrotreated light distillates	LC50 (Lepomis macrochirus - 96h) = 2.2 mg/L LC50 (Oncorhynchus mykiss - 96h) = 2.4 mg/L LC50 (Pimephales promelas - 96h) = 45 mg/L	No data	LC50 (Dendronereides heteropoda - 96h) = 4720 mg/L
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	No data	No data	No data

2.2% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility: No data available

Ozone: No data available

SECTION 13: Disposal considerations

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ground and bond containers when transferring material. Sweep up and shovel into suitable containers for disposal.

SECTION 14: Transport information

U. S. DEPARTMENT OF TRANSPORTATION:

UN/NA ID Number: NA1993

Proper shipping name: Combustible liquids, n.o.s. (severely hydrotreated light distillates)

Hazard class: 3 **PG:** III

DOT ERG: ERG 128

Additional DOT Information: When in individual containers of less than 119 gallons, this material ships as non-regulated.

TDG (CANADA): Proper shipping name: Not Regulated

IMDG/IMO: Proper shipping name: Not Regulated

IATA/ICAO: Proper shipping name: Not Regulated

SECTION 15: Regulatory information

Federal Regulations

OSHA Hazard Communication Standard: This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:



RAZORLUBE SDS

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes

Delayed Health (Chronic): Yes

Flammability: Yes

Pressure: No

Reactivity: No

Hazardous Substances and RQs

Not Listed

Extremely Hazardous Substances and TPQs

Not Listed

SARA 313 Emission Reporting

Not Listed

Clean Air and Clean Water Acts:

Hazardous Air Pollutants

Not Listed

CWA – Hazardous Substances

Not Listed

CWA – Toxic Pollutants

Not Listed

CWA – Priority Pollutants

Not Listed

U.S. STATE REGULATIONS (RTK):

California Proposition 65

Not Listed

PARTK

Not Listed

MI Critical Materials

Not Listed

NJRTK

Not Listed

MARTK

Not Listed

California Proposition 65 Status: No components are listed

RCRA Status: Not regulated

CANADIAN REGULATIONS:

Canada - WHMIS Classification Information: This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Canadian Product Classification: B3 = combustible (flash 100 - 200F) Class D2B

Component Classification Data:

Components

WHMIS hazard class

CEPA Schedule I Challenge Substances

Severely hydrotreated light distillates

B3 D2B

Not listed

Not listed

Benzenesulfonic acid, mono-C16-24-alkyl

derivatives, calcium salts

None

Not listed

Not listed

INVENTORY STATUS:

United States TSCA - Sect. 8(b) Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List This product complies with DSL

SECTION 16: Other information

Sources of key data used to compile the data sheet: Material safety data sheets of the ingredients.

Revision Date: 05/27/2015

Reason for revision: New Format.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

The information in this Safety Sheet was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This safety sheet was prepared and is to be used only for this product. If the product is used as a component in another product, this safety sheet information may not be applicable.