Material Safety Data Sheet

Mineral Oil (RXSOL-60-6276-005)

1. Product and Company Identifaction

Product Name	Mineral Oil
Product Type	RXSOL-60-6276-005

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Paraffin Oil, White Drakeol® 19 Min Oil USP	CAS# 8042-47-5	100%	V/V	OSHA TWA 5 mg(mist)/m*f*

3. Hazards Identification

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Emergency Overview: Not expected to cause a severe emergency hazard. This product is a water-white to light amber, viscous liquid. It has a light, mildly petroleum odor. The product floats on water. This product is slightly combustible (Flammability Class IIIB) but will burn. Heated product will produce colorless vapors. Heated vapors in the presencef an ignition source can be explosive, if confined.

Inhalation: No significant adverse health effects are expected to occur upon short-term exposure.

Ingestion: If swallowed, large volume of material can cause generalized depression, headache,drowsiness, nausea, vomiting, and diarrhea. Smaller doses can cause a laxative effect. If aspirated into lungs, liquid can cause lung damage.

Skin: This product can cause mild, transient skin irritation with short-term exposure.

Eye Contact: This product can cause transient mild eye irritation with short-term contacts with liquid sprays or mists.

4. First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

SKIN:	Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally.Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION:	Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	Water spray, Carbon dioxide, dry chemical, powder, foam
Fire / Explosion Hazards:	Dense smoke may be generated while burning. Carbon dioxide, carbon monoxide nitrogen and sulfur oxides may be
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Remove all sources of ignition. Dispose of in a manner consistent with federal, local law.

Protective Measures:May burn although not readily ignitable. Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.
FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal. Remove contaminated soil to remove contaminated trace residues. Dispose of in same manner as material.

Reporting:CERCLA: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund). CWA: This product is an oil as defined under Section 311 of EPA's Clean Water Act (CWA). Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.TWA: 5 STEL: 10 (mg/m3) as oil mist Consult local authorities for
acceptable exposure limits.

7. Handling and Storage

Keep away from heat and flame. Do not get in eyes,on skin, on clothing. Use with adequate ventilation.

8. Exposure controls and personal protection

Respiratory Protection	No special protection required unless heated
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent exposure
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	310°C
VAPOR PRESSURE	0.1 kPa20°C)
MELTING POINT	information not available
VAPOR DENSITY	not available
EVAPORATION RATE	information not available
Appearance /Odors	Transparent water-white liquid/odorless
Flash Point	168.33°C
Specific Gravity	0.858
Percent Volatile by Evaporation Standard	0
Auto Ignition Temp	625°F
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Temperature extremes, ignition sources
MATERIALS TO AVOID	Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon, Nitrogen and Sulfur
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Routes of Entry: Absorbed through skin. Eye contact. Toxicity to Animals: LD50: Not available. LC50: Not available.Chronic Effects on Humans: CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) byIARC.
Other Toxic Effects on Humans:Slightly hazardous in case of ingestion. Non-irritant for skin. Non-hazardous in case ofinhalation.

Special Remarks on Toxicity to Animals: Not available Special Remarks on Chronic Effects on Humans: Highly refined mineral oils are not classified as human carcinogens. However, related forms (untreated and mildly-treated oilsused in metal machining, mule spinning and jute processing) are listed as human carcinogens by both IARC (group 1) and NTPSpecial Remarks on other Toxic Effects on Humans:Potential Health Effects: Skin: This product is not expected to cause any skin irritation upon directsingle or repeated and prolonged contact. However, similar chemical compositon products applied to the skin of lab animals resulted in minimal to slight dermal irritation. Eyes: May cause mild (minimal) eye irritation. Inhalation: May cause respiratory tract irritationwith coughing and shortness of breath. This product has a low vapor pressure and is not expectedto present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting. If aspiration occurs, it may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration Ingestion: Ingestion is relatively non-toxic unless aspiration occurs. It has laxative properties and may cause gastrointestinal tract discomfort, abdominal cramps, vomiting and diarrhea. Exposure to a large single dose, or repeated small doses by inhalation, aspiration or ingestion leading to aspiration can lead to lipid pneumonia or lipid granuloma. These are low-grade, chronic localized tissue reactions which are not fatal.

12. Ecological information

Ecotoxicity: Not available.BOD5 and COD: Not available.Products of Biodegradation:Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: Not available. Special Remarks on the Products of Biodegradation: Not available

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations

15. Regulatory information

Federal and State Regulations: TSCA 8(b) inventory: Mineral oil Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. Other Classifications: WHMIS (Canada): Not controlled under WHMIS (Canada). DSCL (EEC): This product is not classified according to the EU regulations. Not applicable

16. Other information

Flammability

Health Reactivity

Revisions	NFPA
7/28/2010	0.1 updated msds to 16 section from 10 section msds. STN
7/9/2012	0.2 Revised ingredient from Calpur 1 oil to Drakeol 19 oil. LS

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