Material Safety Data Sheet

Castor Oil (RXSOL-19-1264-050)

1. Product and Company Identifaction

Product Name	RXSOL-19-1264
Product Type	Castor Oil

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Kolkata, Visakhapatnam, Chennai, Fujairah, Oman

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Ingredients:

Vegetable Oil Triglycerides 100%

Hazardous Components: None

CAS #: 8001-79-4

3. Hazards Identification

3.1. Classification of the substance or mixture (According to Regulation (EC) No 1272/2008, 29 CFR 1910.1200 and the Globally Harmonized System)

Not Classified as Hazardous

3.2. Label elements

Signal Word: Non-Hazardous

Hazard Precautions: Not Classified as Hazardous

Prevention Precautionary Statements: Note: These precautionary statements are not prescribed by directive 1272/2008 as this product is not classified as hazardous under this directive. Wash hands thoroughly after handling with soap and water. Wear protective gloves, protective clothing, eye protection and face protection. If swallowed, in eyes, on skin or inhaled call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed.

4. First Aid Measures

4.1. Description of first aid measures

Skin Contact: Wash thoroughly after skin contact. Get medical attention if irritation develops or persists.

Eye Contact: Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Seek medical advice if symptoms persist.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. Remove from exposure. If not breathing, give artificial respiration and call a physician.

Ingestion: If swallowed, contact physician or poison control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

Acute: Not expected to be significantly irritating to skin or eyes. Oral exposure will cause nausea, vomiting, severe diarrhea and cramping (colic).

Delayed Effects: None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific indications. Treatment should be based on the judgment of the physician in response to the reactions of the patient.

5. Fire-fighting Measures

5.1. Extinguishing media

Appropriate Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical., Water spray

5.2. Special hazards arising from the substance or mixture

Hazardous Products of Combustion: Carbon dioxide, Carbon monoxide

Potential for Dust Explosion: Not applicable.

5.3. Advice for firefighters

Basic Fire Fighting Guidance: Wear self-contained breathing apparatus and full protective clothing (i.e., Bunker gear). Skin and eye contact should be avoided. Normal fire fighting procedures may be used.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures: Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special Instructions: See Section 8 for personal protective equipment recommendations. Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers and waterways.

6.3. Methods and material for containment and cleaning up

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Remove all ignition sources. Ventilate the area of spill or leak. Wear protective equipment during clean-up. For small spills, use suitable absorbent material and collect for later disposal. For large spills, the area may require diking to contain the spill. Material can then be collected (eg., suction) for later disposal. After collection of material, flush area with water. Dispose of the material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions

7. Handling and Storage

Handling: Safe Handling: Keep away from fire and open flames. Protect from freezing.

Storage: Requirements for Storage Areas and Containers:Store in a cool, dry location, in a sealed container.

8. Exposure controls and personal protection

Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

Other Engineering Controls: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.

Personal Protective Equipment: Wear impervious gloves (i.e., latex rubber), boots, work uniform and safety glasses Where overexposures are a concern, use NIOSH-approved dust/mist respirator as necessary.

Respirator Caution: Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

Thermal Hazards: Not applicable.

Environmental Exposure Controls: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

9. Physical and chemical properties

Appearance, State & Odor (ambient temperature): Pale yellow syrupy oil with mild characteristic odor.

Molecular Formula: Variable composition (UVCB)

Molecular Weight: Variable composition (UVCB)

Vapor Pressure: No data available.

Evaporation Rate: 1 (Butyl Acetate = 1)

Specific Gravity or Density: 0.959 @ 25°C (typical)

Vapor Density (air = 1): Heavier than air.

Boiling Point: 313 °C

Freezing / Melting Point: -18 to -10°C

Solubility in Water: Insoluble

Octanol / Water Coefficient: No data available.

pH: No data available. Odor Threshold: No data available.

Viscosity: 7.5 stokes @ 25°C

Autoignition Temperature: 449°C

10. Stability and reactivity

10.1. Reactivity Not classified as dangerously reactive.

10.2. Chemical stability Stable

10.3. Possibility of hazardous reactions Not expected to occur.

10.4. Conditions to avoid None known

10.5. Incompatible materials Incompatible with oxidizing materials.

10.6. Hazardous decomposition products Products of incomplete combustion may include carbon monoxide, carbon dioxide and dense smoke.

11. Toxicological information

11.1. Information on toxicological effects

Acute Oral LD50: > 5000 mg/kg (rat)

5 - 15 g/kg (human, estimated)

Acute Dermal LD50: No data available.

Acute Inhalation LC50: No data available.

Skin Irritation: Non-irritating to skin.

Eye Irritation: Mildly irritating to eyes.

Skin Sensitization: Not sensitizing (Weight of evidence)

Mutagenicity: Negative in Ames Assay, both with and without metabolic activation.

Reproductive / Developmental Toxicity: No evidence of reproductive effects.

Carcinogenicity: This material is not listed by IARC, NTP or OSHA as a carcinogen. No test data is available that indicates this material is a carcinogen.

Target Organs: None known Aspiration Hazard: Based on physical properties, not likely to be an aspiration hazard.

Primary Route(s) of Exposure: Skin contact and absorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of exposure. Most important symptoms and effects, both acute and delayed Not expected to be significantly irritating to skin or eyes. Oral exposure will cause nausea, vomiting, severe diarrhea and cramping (colic).

Delayed Effects: None known. Additive or Synergistic effects: None known.

12. Ecological information

Biodegradation: Expected to be ultimately biodegradable Fish

Toxicity: No Data

Bacterial Toxicity: No Data

13. Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number: Non-Hazardous

Waste Classification: (per US regulations) The waste may be classified as "special" or hazardous per State regulations.

Waste Disposal: NOTE: Generator is responsible for proper waste characterization. State hazardous waste regulations may differ substantially from federal regulations. Dispose of this material responsibly, and in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws, and environmental protection duty of care principles. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate classification code according to the European Community List of Wastes should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

14. Transport information

14.1. UN number Non-Hazardous

14.2. UN proper shipping name Chemicals, N.O.S. (Castor Oil)

14.3. Transport hazard class(es) Non-Hazardous

14.4. Packing group Not applicable.

14.5. Environmental hazards Not applicable.

14.6. Special precautions for user Not applicable.

NA Emergency Guidebook Numbers: Not applicable.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Chemical Inventory Lists: Status:

USA TSCA: Listed

EINECS: Listed (232-293-8)

Canada(DSL/NDSL): Listed (DSL)

Japan: Not listed.

Korea: Listed (KE-04979)

Australia: Listed

China: Listed

Philippines: Listed

Taiwan: Listed

New Zealand: Listed

German Water Hazard Classification: ID Number 760, not considered hazardous to waters

SARA 313: Not listed.

Reportable Quantities: Not applicable.

State Regulations: Not applicable.

16. Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents.The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product .in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other.