



Safety Data Sheet

(Castor Oil)

DATE PREPARED: 6/28/2012

REVISION NUMBER: 6/28/2012

Section 1 – Company Information

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER:

CHEMTEL - Parchem CCN# M1S0007152

Toll Free US & Canada: (800)255-3924

All other Origins: (813) 248-0585

Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Castor Oil
CAS NUMBER 8001-79-4
SYNONYM Ricinus Oil; Ricinus Communis

PRODUCT	CAS NUMBER	% BY WEIGHT
Castor Oil	8001-79-4	100%

Section 3 – Hazards Identification

General: Not hazardous under normal conditions.

Emergency Overview: Presents little or no immediate significant hazard if spilled or involved in a fire.

Inhalation: No known hazards to the respiratory system due to inhalation of vapors are expected.

Eye Contact: Mild irritation may occur

Skin Contact: Irritation not expected but extended/repeated contact may cause irritation in some individuals.

Ingestion: No severe adverse effects expected, but has laxative effect. May cause diarrhea and gastrointestinal cramps.

Long Term Effects: No data available.

Conditions Aggravated by Exposure: No data available.

Chronic Exposure: No data available.

Section 4 – First Aid Measures

Eyes: Irrigate eyes with a heavy stream of water for at least 20 minutes. Seek medical attention if symptoms persist.

Skin: Wash exposed areas of the body with water and soap

Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: Do NOT induce vomiting. Consult medical personnel. Never give anything by mouth to an unconscious person.



Section 5 – Fire Fighting Measures

Flash Point: 540°F/282°C, will ignite if overheated

Method: pmcc

Explosive Limits: No data available

Autoignition Temperature: 840°F/449°C

Extinguishing Media: Water spray, foam, carbon dioxide

Firefighting Procedures: Firefighters should wear full firefighting turn-out gear including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive-pressure mode.

Special Firefighting Procedures: As with any fire, toxic gases, vapors and fumes can be generated. Use positive pressure self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Using water can cause frothing with increasing fire intensity.

Unusual Fire & Explosion Hazards: None known.

Sensitivity to Explosion: None expected by mechanical impact or static charge

Conditions of Flammability: Material may burn, but does not ignite readily. Avoid high temperatures.

Section 6 – Accidental Release Measures

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container.

Personal Precautions: Wear protective clothing and equipment. An appropriate NIOSH/MSHA approved respirator should be used if a mist or vapor is generated.

Section 7 – Handling & Storage

Handling: Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep away from sources of ignition.

Storage: Can be stored in most common storage vessels. Keep away from heat, sparks, or open flames. Keep away from possible contact with incompatible substances. Keep the container tightly closed and in a cool, dry and well ventilated place.

Specific Use(s): Follow bulk handling and storage procedures as noted above.

Section 8 – Exposure Controls & Personal Protection

Respiratory Protection: Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use and limitations. Use a positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respiratory protection program



requirements for air respirator use.

Skin/Eye Protection: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.

Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

Section 9 – Physical & Chemical Properties

Physical State: Liquid

Appearance: Pale Yellow Viscous Liquid

Odor: Characteristic

Boiling Point: 595°F

Specific Gravity: 0.959 @ 25°C

Vapor Density: Heavier (relative to air)

Vapor Pressure: Not available

pH: Not available

Water Solubility: Insoluble

Freezing Point: -9.5°C

Viscosity: 7.5 Stokes at 25°C

Evaporation Rate: Slower (relative to n-butyl acetate)

Section 10 – Stability & Reactivity Data

Stability: Stable under normal operational conditions

Incompatibility: Strong oxidizers, caustic-inorganic acids, amines, alkanolamines

Hazardous Decomposition: Biodegradable; burning can produce carbon monoxide, carbon dioxide and thick smoke

Hazardous Polymerization: Will not occur

Conditions to Avoid: Keep away from oxidizing material

Section 11 – Toxicological Information

General: Product is non-toxic

Acute LD50: Rat; > 5,000 mg/kg

Eye Irritation: Rabbit; 500 mg - mild

Skin Irritation: Rabbit; mild

Skin Irritation: Human; 48 hour patch test - not irritating



Section 12 – Ecological Information

Environmental Hazard: No information available.

Section 13 – Disposal Consideration

Storage and disposal must be in accordance with applicable local, state & federal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

Section 14 – Transportation Data

DOT Classification: Not a DOT controlled material (United States)

Identification: Not applicable

Special Provisions for Transport: Not applicable

Section 15 – Regulatory Information

General: The product when tested as a whole is not a controlled substance within the meaning of the Hazardous Products Act. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SARA 311/312 Chronic Health Hazard: No

SARA 311/312 Acute Health Hazard: No

SARA 311/312 Fire Hazard: No

SARA 311/312 Sudden Pressure: No

SARA 311/312 Reactivity Hazard: No

NFPA Hazards Ratings:

Health: 1

Fire: 1

Reactivity: 0

Specific Hazard: None

HMIS Hazards Ratings:

Health: 1

Fire: 1

Reactivity: 0



Section 16 – Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

