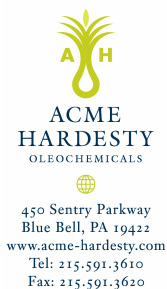


Material Safety Data Sheet



PRODUCT NAME: USP CASTOR OIL

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: USP CASTOR OIL
CAS #: 8001-79-4
DATE : March 27, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Suite 104
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

USP Castor Oil is not a hazardous material nor does it contain any hazardous ingredients.

FIRST AID MEASURES

EYES: Rinse with plenty of water.
SKIN: Wash with plenty of water and soap.
INGESTION: Rinse the mouth.
INHALATION: Remove to fresh air immediately.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, carbon dioxide, water, dry chemical powder
UNSUITABLE MEDIA: No restrictions. In case of fire, carbon monoxide and carbon dioxide can be formed.
PROTECTIVE EQUIPMENT: Not required, except regular fir-fighters equipment.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: None.
ENVIRONMENTAL PRECAUTIONS: None.
METHODS FOR CLEAN UP: Soak up spill with sand or earth and detergent.

HANDLING & STORAGE

HANDLING: Keep away from sources of ignition.
STORAGE: Keep containers closed and in dry shaded area, away from heat.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES: No special measures required.
CONTROL PARAMETERS: Not available.

PERSONAL PROTECTION: Usual as taken for handling chemicals
RESPIRATORY: None.
HAND: Hand savers.
EYES: Protective glasses.
SKIN: None.

PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellowish, viscous liquid
ODOR: Like vegetable oil
pH: Not applicable
BOILING POINT @ 10mm Hg, °C: >300
MELTING POINT, °C: Not applicable
FLASH POINT, °C: > 300 (COC)
FLAMMABILITY: None
AUTO FLAMMABILITY: None
EXPLOSIVE PROPERTIES: None
OXIDIZING PROPERTIES: None
VAPOR PRESSURE: Not applicable
RELATIVE DENSITY: About 0.95 @ 25°C
SOLUBILITY:
WATER: Insoluble
OIL: Soluble in ethanol at room temperatures.
PARTITION COEFFICIENT N-OCTANOL/WATER: Not applicable
VISCOSITY @ 25°C: About 600 – 800 cst

STABILITY & REACTIVITY

CONDITIONS TO AVOID: Keep away from oxidizing materials.
MATERIALS TO AVOID: Oxidizing materials and sources of ignition.
HAZARDOUS DECOMPOSITION: None if handled and stored according to prescription.

TOXICOLOGICAL INFORMATION

Expected LD50 oral rat >5000 mg/kg based on data taken from similar product.

DISPOSAL CONSIDERATIONS

Can be land filled together with household refuse, in accordance with local regulations.

ECOLOGICAL INFORMATION

MOBILITY: Not determined.
DEGRADABILITY: Readily biodegradable
ACCUMULATION: Minimum biodegradability is 60% BSB30/CSB resp. 70% DOC

SHORT AND LONG TERM EFFECTS ON ECOTOXICITY:

Acute fish toxicity LCO > 100 mg/L

Bacteria toxicity ECO > 100 mg/L

OTHER ADVERSE EFFECTS: None

TRANSPORT INFORMATION

Not classified as hazardous.

REGULATORY INFORMATION

According to EEC Council Directive, it is not a dangerous substance, but suitable precautions of handling chemicals should be taken. It is registered with EINECS, TSCA, DSL, MITI, AICS. Ac