



ACME
HARDESTY
OLIOCHEMICALS

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Material Safety Data Sheet

PRODUCT NAME: RICINOLEIC ACID

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: RICINOLEIC ACID
CAS #: 141-22-0
EINECS#: 205-470-2
DATE: March 29, 2008

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

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

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Ricinoleic Acid 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: Standard fireman's body protection and self-contained breathing apparatus is recommended.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable respiratory protection.
ENVIRONMENTAL PRECAUTIONS: None.
METHODS FOR CLEAN UP: Sweep dry and flush with water and soap.

HANDLING & STORAGE

HANDLING: Avoid spills and 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: None.

PERSONAL PROTECTION:

RESPIRATORY: None.
HAND: Hand savers.
EYES: Protective glasses.
SKIN: Chemical resistant gloves.

PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellowish, viscous liquid
ODOR: Natural, non-offending
pH: Not applicable
BOILING POINT @ 10mm Hg, °C: >245
MELTING POINT, °C: ~-5.5
FLASH POINT, °C: > 190
FLAMMABILITY: None
AUTO FLAMMABILITY: None
EXPLOSIVE PROPERTIES: None
OXIDIZING PROPERTIES: None
VAPOR PRESSURE: Not applicable
RELATIVE DENSITY: About 0.94 @ 25°C
SPECIFIC GRAVITY: 0.94
SOLUBILITY:
WATER: Insoluble
OIL: Soluble in alcohol, acetone, ether, chloroform at room temperature

STABILITY & REACTIVITY

CONDITIONS TO AVOID: Keep away from oxidizing materials and sources of heat.
MATERIALS TO AVOID: Alkalies.
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

Take up spills with sand and/or flush spill area with detergent/soap and water. Then dispose according to the local regulations.

TRANSPORT INFORMATION

Not classified as hazardous.

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

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.

HMIS: 0-1-0

NFPA: 0-1-0