



ACME  
HARDESTY  
OLEOCHEMICALS

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# Material Safety Data Sheet

PRODUCT NAME: RICINOLEIC ACID

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## IDENTIFICATION AND DISTRIBUTOR INFORMATION

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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

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## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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Ricinoleic Acid is not a hazardous material nor does it contain any hazardous ingredients.

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## FIRST AID MEASURES

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

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## FIRE FIGHTING MEASURES

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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.

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## ACCIDENTAL RELEASE MEASURES

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

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**HANDLING & STORAGE**

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

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**EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**ENGINEERING MEASURES:** No special measures required.  
**CONTROL PARAMETERS:** None.

**PERSONAL PROTECTION:**

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

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**PHYSICAL/CHEMICAL PROPERTIES**

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**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

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**STABILITY & REACTIVITY**

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**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.

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**TOXICOLOGICAL INFORMATION**

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

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**DISPOSAL CONSIDERATIONS**

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

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TRANSPORT INFORMATION

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Not classified as hazardous.

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ECOLOGICAL INFORMATION

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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

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REGULATORY INFORMATION

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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

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.