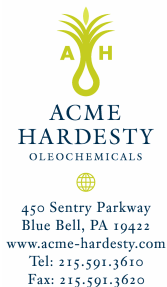


# Material Safety Data Sheet



PRODUCT NAME: #1 CASTOR OIL

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## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

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TRADE NAME: #1 CASTOR OIL  
CAS #: 8001-79-4  
DATE : March 27, 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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#1 Castor Oil 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: Not required, except regular fir-fighters equipment.

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## ACCIDENTAL RELEASE MEASURES

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

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**HANDLING & STORAGE**

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**HANDLING:** 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:** Not available.**PERSONAL PROTECTION:** Usual as taken for handling chemicals**RESPIRATORY:** None.**HAND:** Hand savers.**EYES:** Protective glasses.**SKIN:** None.

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**PHYSICAL/CHEMICAL PROPERTIES**

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**APPEARANCE AND ODOR:** Yellowish, viscous liquid**ODOR:** Like vegetable oil**MOLECULAR WEIGHT:** 932**pH:** Not applicable**BOILING POINT @ 10mm Hg, °C:** >300**MELTING POINT, °C:** Not applicable**FLASH POINT, °F:** 445 (COC)**FIRE POINT, °F:** 500 (COC)**FLAMMABILITY:** None**AUTO FLAMMABILITY:** None**EXPLOSIVE PROPERTIES:** None**OXIDIZING PROPERTIES:** None**VAPOR PRESSURE:** Not applicable**RELATIVE DENSITY:** About 0.95 @ 25°C**DENSITY @ 25°C, LBS/GAL:** 7.916/gal**POUR POINT, °F:** -10**SOLUBILITY:****WATER:** Insoluble**OIL:** Soluble in ethanol at room temperatures.**PARTITION COEFFICIENT N-OCTANOL/WATER:** Not applicable**VISCOSITY @ 25°C:** About 600 – 800 cst

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**STABILITY & REACTIVITY**

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**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.

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**TOXICOLOGICAL INFORMATION**

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

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DISPOSAL CONSIDERATIONS

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

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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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TRANSPORT INFORMATION

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Not classified as hazardous.

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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.

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OTHER INFORMATION

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**HMIS** Information: Health: 0  
Flammability: 1  
Reactivity: 0