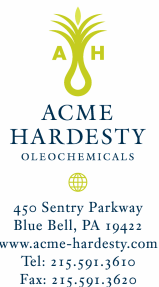


Material Safety Data Sheet



PRODUCT NAME: #1 CASTOR OIL – LOW AV

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: #1 CASTOR OIL – LOW AV
CAS #: 8001-79-4
DATE: June 10, 2011

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

#1 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
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

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.

OTHER INFORMATION

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