

Material Safety Data Sheet



PRODUCT NAME: DEHYDRATED CASTOR OIL FATTY ACID

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: DEHYDRATED CASTOR OIL FATTY ACIDS
CAS #: 61789-45-5
DATE: May 27, 2008

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

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COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION: FATTY ACID

CAS#:	CHEMICAL NAME	CONCENTRATION	R-PHRASES
61789-45-5	Fatty Acid		

HAZARDS IDENTIFICATION

Dehydrated Castor Oil Fatty Acids are corrosive to carbon steel, copper and its alloys. In contact with skin, it causes irritation and may cause burns.

FIRST AID MEASURES

EYE CONTACT: Rinse with plenty of water and consult an ophthalmologist.
SKIN CONTACT: Wash with water and soap.
INHALATION: Remove to fresh air
INGESTION: Rinse the mouth

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, Carbon dioxide, Halons, Dry Chemical Powder, and Water. In case of fire, Carbon Monoxide and Carbon Dioxide can be formed.
SPECIAL PROTECTIVE EQUIPMENT: Not required, except regular e.g. self-contained breathing apparatus & protective clothing.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use gloves, eye goggles, boots, self-contained breathing apparatus
ENVIRONMENTAL PRECAUTIONS: Limit the spillage by diking. Pump into separate tank or drums.
METHODS FOR CLEAN UP: Absorb the residual material using sand and then dispose as per local regulations or incinerate.

HANDLING & STORAGE

HANDLING: Keep the storage drums and tanks closed, away from water, alkaline chemicals and sources of ignition.
STORAGE: Keep containers in dry-shaded go down. Store in stainless steel or epoxy-coated tanks or drums.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES: Provide proper exhaust where product is heated. Provide safety shower and eye bath where the product is handled.
CONTROL PROTECTION: --
PERSONAL PROTECTION: Use gloves, goggles, self-contained breathing apparatus, protective clothing and boots
Respiratory: When handling hot product, respiratory mask recommended
Hand: Chemical resistant gloves
Eye: Protective Glasses
Skin: Protective clothing, boots

PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Colorless to pale yellowish liquid
ODOR: Characteristic fatty
pH: Mild acidic
BOILING POINT: Approx. 200°C, 1 mm Hg
MELTING POINT: Not applicable
FLASH POINT: Approx. 180°C, (PMCC)
AUTOFLAMMABILITY: None
VAPOR PRESSURE @ 20°C: <0.1mm
RELATIVE DENSITY: about 0.94 @ 25°C
SOLUBILITY IN WATER: Insoluble
Soluble in most organic solvents at room temperatures
PARTITION COEFFICIENT: Not test

STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid sources of ignition when handling hot product. Protect from light.
MATERIALS TO AVOID: Alkalies, oxidizing & reducing agents.
HAZARDOUS DECOMP. PROD: Toxic fumes of CO, CO2

TOXICOLOGICAL INFORMATION

Acute Effects: It is harmful if swallowed, inhaled or absorbed through skin. It is extremely destructive to tissue of the mucous membranes, and upper respiratory tract, eyes & skin. Inhalation may result in spasm, inflammation and edema of the larynx & bronchi, chemical pneumonitis & pulmonary edema. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

ECOLOGICAL INFORMATION

Data not yet available

DISPOSAL CONSIDERATIONS

To be disposed of in accordance with the local regulations. Do not discharge into sewers or the environment. It may be dissolved or mixed into a combustible solvent and then burnt in an incinerator equipped with afterburner & scrubber.

TRANSPORT INFORMATION

Not classified as hazardous. All suitable precautions of handling as mentioned above to be taken.

REGULATORY INFORMATION

Corrosive
Causes Burns
In case of contact with eyes, rinse immediately with water & show doctor
If skin is contacted, wash with plenty of water
Wear suitable protective clothing, gloves and eye/face protection
In case of accident or if you feel unwell, seek medical advice

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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.