

# Material Safety Data Sheet



PRODUCT NAME: COCONUT FATTY ACID 745

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

INCI IDENTIFICATION: PALM KERNEL ACID  
CAS #: 101403-98-9  
EINECS#: 309-936-7  
DATE PREPARED: June 25, 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

## COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CHEMICAL FORMULA	CAS #	EC #	EC SYMBOL	EC R-PHASE
Octanoic Acid	$C_8H_{16}O_2 / CH_3(CH_2)_6COOH$				
Decanoic Acid	$C_{10}H_{20}O_2 / CH_3(CH_2)_8COOH$				
Dodecanoic Acid	$C_{12}H_{24}O_2 / CH_3(CH_2)_{10}COOH$				
Tetradecanoic Acid	$C_{14}H_{28}O_2 / CH_3(CH_2)_{12}COOH$	101403-98-9	309-936-7	Not Applicable	Not Applicable
Hexadecanoic Acid	$C_{16}H_{32}O_2 / CH_3(CH_2)_{14}COOH$				
Octadecanoic Acid	$C_{18}H_{36}O_2 / CH_3(CH_2)_{16}COOH$				
Octadecenoic Acid	$CH_3(CH_2)_7(CH)_2(CH_2)_7COOH$				

## HAZARDOUS IDENTIFICATION

SPECIAL HAZARDS FOR MAN AND ENVIRONMENT: None

## FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.  
EYE CONTACT: Flush with water, take to a doctor if necessary.  
INHALATION: Not relevant.  
INGESTION: Rinse mouth, drink plenty of water, see physician. Do not give anything by mouth to an unconscious person.

## FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide, foam, or water spray jet

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#### ACCIDENTAL RELEASE MEASURE

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**PERSONAL PRECAUTIONS:** Avoid contact with skin and eyes.

**ENVIRONMENT PRECAUTIONS:** Do not allow to flow into drainage system.

**METHODS FOR CLEANING UP:** Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Clean up are immediately.

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#### HANDLING AND STORAGE

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**HANDLING:** Avoid open flames.  
Use gloves and wear goggles when handling.  
Always work safely around open hatches on bulk tanks.  
The low density makes flotation difficult for immersed person.

**STORAGE:** Keep in a cool and dry place, avoid extreme heat and cold.  
Store in clean, dry preferable stainless steel vessels.  
In bulk, store at about 10°C above melting point or ambient temperatures.  
Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

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#### EXPOSURE CONTROL AND PERSONAL PROTECTION

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**EXPOSURE LIMIT:** Not applicable

**PERSONAL PROTECTIVE EQUIPMENT:**

HAND/SKIN	Use rubber gloves.
EYES	Wear approved safety goggles and face shield.

**INDUSTRY HYGIENE:** Normal standard of industrial hygiene should be observed.

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#### PHYSICAL & CHEMICAL PROPERTIES

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APPEARANCE:	Yellow clear liquid (crude), clear liquid (distilled) above melting point
ODOR:	Faint Fatty Odor
SOLUBILITY:	Soluble in ethanol, ether, and most organic solvents. (20°C)
BOILING POINT, @ 760 mm Hg (°C):	239.7 – 365.2
MELTING POINT, °C:	20 - 28
FLASH POINT, °C (Pensky-Kartens Closed Cup):	>100
AUTO-IGNITION, °C:	>250
DENSITY, at 75°C (g/ml):	0.84 – 0.86
VAPOR PRESSURE, mm of Hg at 131°C:	<1.0

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#### STBILITY & REACTIVITY

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**CONDITIONS TO BE AVOIDED:** Avoid direct fire.

**MATERIAL TO BE AVOIDED:** Non known if used for its intended purpose.

**DECOMPOSITION PRODUCTS:** None know if used for its intended purpose.

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TOXICOLOGICAL INFORMATION

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TOXICITY DATA: LD<sub>50</sub> (oral, rat) = >10000 mg/kg

CARCINOGENICITY: None

REPRODUCTIVE EFFECT: No harmful effects expected

EFFECT OF OVEREXPOSURE: No harmful effects expected

CHRONIC EFFECT: No harmful effects expected

TARGET ORGANS: Not applicable

MEDICAL CONDITIONS GENERALLY  
AGGRAVATED BY EXPOSURE: No special requirements

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ECOLOGICAL INFORMATION

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ECOTOXICITY:

ACUTE FISH TOXICITY: LC<sub>50</sub> >100 mg product/liter

ACUTE BACTERIA TOXICITY: EC<sub>50</sub> >100 mg product/liter

BIODEGRADABILITY: Biodegradable

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DISPOSAL CONSIDERATIONS

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Disposal method is in accordance with all applicable national environment laws and regulations

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TRANSPORT INFORMATION

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Not a hazardous material according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI / IATA-DGR

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REGULATORY INFORMATION

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All components of this product are listed on the following inventories:

- USA (TSCA)
- CANADA (DSL)
- EUROPE (EINECS/ELINCS)
- AUSTRALIA (AICS)