

Material Safety Data Sheet



PRODUCT NAME: PALMITIC ACID 98% FGK

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: PALMITIC ACID 98% FGK
CAS#: 57-10-3
EINECS#: 200-312-9
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

COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	EC#	EC SYMBOL	EC R-PHRASES
Hexadecanoic Acid	$C_{16}H_{32}O_2/CH_3(CH_2)_{14}COOH$	57-10-3	200-312-9	Not Applicable	Not Applicable

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: Waxy white crystalline solids
ODOR: slight, bland-like odor
SOLUBILITY: Soluble in ethanol, ether and most organic solvents
Insoluble in water (20°C)

BOILING POINT, °C @ 760 mm Hg: >300
MELTING POINT, °C: 58 – 63
FLASH POINT, °C (Cleveland Open Cup): 200°C
AUTO-IGNITION, °C: >250°C
DENSITY, g/ml @ 75°C: 0.85
VAPOR PRESSURE, mm of Hg @ 131°C: <1.0
VISCOSITY, mPa.s @ 70°C: 13.56

FIRST AID MEASURES

INGESTION: Rinse mouth, drink plenty of water, see physician.
Do not give anything by mouth to an unconscious person.

EYE CONTACT: Flush with water, take to a doctor if necessary.

SKIN CONTACT: Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.

INHALATION: Not relevant.

FIRE FIGHTING MEASURES

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

ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes.
ENVIRONMENT PRECAUTIONS: Do not allow to flow into drainage system.
CLEAN-UP METHODS: 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.
Spillage may be allowed to solidify; then shovel into containers.
Clean up area immediately.

HANDLING AND STORAGE

HANDLING: Avoid open flames.
Use gloves and wear goggle when handling.
Always work safely around open hatches on bulk tanks.
The low density makes floatation difficult for immersed person.
STORAGE: Keep in a cool and dry place, avoid extreme heat and cold.
Store in a clean, dry preferably stainless steel vessel.
In bulk, store at about 5-10°C above melting point or at ambient temperature.
Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:
HAND/SKIN PROTECTION: Use rubber gloves
EYE PROTECTION: Wear approved safety goggles and face shield
EXPOSURE LIMIT: Not applicable
INDUSTRIAL HYGIENE: Normal standard of industrial hygiene to be observed

STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid direct fire.
MATERIALS TO BE AVOIDED: None known if used for its intended purpose.
DECOMPOSITION PRODUCTS: None known if used for its intended purpose.

DISPOSAL INFORMATION

Disposal method in accordance with all applicable notional environment laws and regulations

TOXICOLOGICAL INFORMATION

TOXICITY DATA: LD 50 (oral, rat) = 10000 mg/kg
CARCINOGENICITY: None
REPRODUCTIVE EFFECTS: No harmful effects expected
EFFECT OF OVER-EXPOSURE: No harmful effects expected
CHRONIC EFFECTS: No harmful effects expected
TARGET ORGANS: Not Applicable

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No special requirements.

ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Acute fish toxicity: LC 50 > 100mg product/liter
Acute bacteria toxicity: EC 50 > 100mg product/liter

BIODEGRADABILITY: Biodegradable

TRANSPORT INFORMATION

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

REGULATORY INFORMATION

EUROPEAN INFORMATION: Based on toxicological studies I the published literature, there are no risk and safety phrases to assign this product.

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

- TSCA (Toxic Substances Control Act)
- DSL (Canada)
- EINECS/ELINCS (Europe)
- AICS (Australia)

OTHER INFORMATION

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.

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