

# Material Safety Data Sheet



PRODUCT NAME: OLEIC ACID FGK

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: OLEIC ACID FGK  
CAS#: 67701-08-0  
EINECS#: 266-932-7  
DATE: June 26, 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
Octadecanoic Acid	$C_{18}H_{34}O_2$ / $CH_3(CH_2)_7(CH)_2(CH_2)_7$ COOH	67701-08-0	266-932-7	Not Applicable	Not Applicable

SYNONYM: cis-9-Octadecenoic Acid

## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

## PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: Clear colorless to pale yellow liquid. Turns dark red on exposure to air.  
ODOR: Slight Lard-like odor  
SOLUBILITY: Soluble in ethanol, ether and most organic solvent.  
Insoluble in water @ 20°C.

BOILING POINT (@ 760 mm Hg), °C: 365  
MELTING POINT, °C: 7.5°C  
FLASH POINT, °C (Pensky-Kartens Closed Cup): 189°C  
AUTO-IGNITION TEMPERATURE, °C: 363°C  
DENSITY @ 75°C, g/ml: 0.84  
VAPOR PRESSURE (mm of Hg @ 165°C): 0.99  
SPECIFIC GRAVITY @ 20°C (H<sub>2</sub>O = 1): 0.895  
% VOLATILE BY VOLUME: No data  
VAPOR DENSITY (AIR = 1): 9.74  
EVAPORATION RATE (butyl acetate=1): No data  
MOLAR MASS: 282.5

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#### FIRST AID MEASURES

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

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#### FIRE FIGHTING MEASURES

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EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam, water spray jet  
SPECIAL HAZARDS: Liquid product may have temperature exceeding 69°C.

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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.  
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.

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#### HANDLING AND STORAGE

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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.

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#### EXPOSURE CONTROL / PERSONAL PROTECTION

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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

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#### STABILITY AND REACTIVITY

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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.

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DISPOSAL INFORMATION

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

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TOXICOLOGICAL INFORMATION

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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

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ECOLOGICAL INFORMATION

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

BIODEGRADABILITY: Biodegradable

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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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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)

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OTHER INFORMATION

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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