

# Material Safety Data Sheet



PRODUCT NAME: CAPRYLIC ACID 99% FGK

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: CAPRYLIC ACID 99% FGK  
DATE: August 12, 2009  
CAS #: 124-07-2

DISTRIBUTOR: ACME-HARDESTY COMPANY  
ADDRESS: 450 Sentry Parkway  
Suite 104  
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-PHASE |
|---------------|--|----------|-------|-----------|-----------|------------|
| Octanoic Acid | C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> / CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> COOH | 124-07-2 | ≥ 99  | 204-677-5 | Xi        | R34/36/38  |
| Decanoic Acid | C <sub>10</sub> H <sub>20</sub> O <sub>2</sub> /CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> COOH | 334-48-5 | ≤ 0.5 | 206-376-4 | Xi        | R36/38     |
| Hexanoic Acid | C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> / CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> COOH | 142-62-1 | ≤ 0.5 | 205-550-7 | C         | R21/R34    |

## HAZARD IDENTIFICATION

HAZARD SYMBOLS: Xi Irritant  
C: Corrosive

R PHRASES: R34: Causes Burns  
R 36: Irritating to eyes  
R 38: Irritating to skin  
R 21: Harmful in skin contact

## FIRST AID MEASURES

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

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Send to a doctor if necessary.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen.  
Get medical attention immediately if difficulty in breathing continues.

INGESTION: Rinse mouth, drink plenty of water and do not induce vomiting. Get medical attention immediately.  
Do not give anything by mouth to an unconscious person.

## FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam.  
Use water to keep the fire-exposed container cool.

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### ACCIDENTAL RELEASE MEASURES

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| PERSONAL PRECAUTIONS:      | Avoid contact with skin and eyes. To wear rubber gloves, air respirator, safety goggle, boots or safety shoes.   |
| ENVIRONMENTAL PRECAUTIONS: | Do not allow to flow in drainage system.   |
| METHODS FOR CLEANING UP:   | Cover contaminated area with sand, soda ash or sodium bicarbonate.<br>Mix and shovel into closed container.<br>Wash site with sodium bicarbonate or soda ash solution.<br>Clean up area immediately. |

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### HANDLING AND STORAGE

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| HANDLING:             | Avoid contact with eyes, skin and clothing.<br>Wash thoroughly after handling.<br>Wear protective gear as per stated in Personal Protection section.<br>Always work safely around open hatches on bulk tanks.<br>The low density makes flotation difficult for immersed person.  |
| STORAGE REQUIREMENTS: | Keep in a cool and dry place, avoid extreme heat and cold.<br>Store in clean, dry, preferably stainless steel, vessels or steel drums coated with resin lining such as epoxy phenolic lining.<br>In bulk, store at about 10°C above melting point or ambient.<br>Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure |

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### EXPOSURE CONTROLS / PERSONAL PROTECTION

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| EXPOSURE LIMITS:               | Not established.                                      |
| GENERAL PRECAUTIONS:           | Avoid contact with eyes, skin and clothing.           |
| PERSONAL PROTECTION/EQUIPMENT: |   |
| HAND / SKIN:                   | Use rubber gloves and protective clothing.            |
| EYE:                           | Wear approved safety goggles or face shield.          |
| INDUSTRY HYGIENE:              | Normal standard of industrial hygiene to be observed. |

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### PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------------------------|---|
| APPEARANCE:                           | Clear pale yellow liquid  |
| ODOR:                                 | Slight unpleasant musty pungent odor  |
| SOLUBILITY:                           | Soluble in ethanol, ether and most organic solvents<br>Very low solubility in water |
| BOILING POINT @ 760 mm Hg, °C:        | 239°C   |
| MELTING POINT, °C:                    | 16°C  |
| FLASH POINT, °C (Cleveland Open Cup): | 130°C   |
| AUTO-IGNITION TEMP, °C:               | > 250°C   |
| DENSITY @ 20°C (g/ml):                | 0.85 – 0.91   |
| VAPOR PRESSURE, mm Hg @ 20°C:         | 0.99  |
| VISCOSITY, mPa.s @ 30°C:              | Not available   |

## STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Direct fire.  
MATERIALS TO AVOID: Strong oxidizing agents  
DECOMPOSITION IN PRODUCTS: Does not decompose up to 204°C.  
Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide.

## TOXICOLOGICAL INFORMATION

TOXICITY DATE: LD 50 (oral, rat) = > 10,000 mg/kg  
EYE CONTACT: Moderate irritation  
SKIN CONTACT: Moderate irritation  
CARCINOGENICITY: None reported  
REPRODUCTIVE EFFECT: None reported  
CHRONIC EFFECT: None reported

## ECOLOGICAL INFORMATION

## ECOTOXICITY:

ACUTE FISH TOXICITY: LC 50 > 100 mg product/liter  
ACUTE BACTERIA TOXICITY: EC 50 > 100 mg product/liter

BIODEGRADABILITY: Biodegradable

## DISPOSAL CONSIDERATIONS

Disposal method is in accordance with all applicable national environmental laws and regulations. Do not dispose via sinks, drains or into the immediate environment.

## TRANSPORT INFORMATION

Classified in DOT, RID/ADR, ADNR, IMDG, ICAO-TI / IATA-DGR.

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Organic, N.O.S.  
TECHNICAL NAME: Octanoic Acid  
IMO/IMDG CODE: Class 8  
PACKING GROUP: III  
UN NUMBER: 3265

## REGULATORY INFORMATION

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

USA: TSCA  
Canada: DSL  
Europe: EINECS/ELINCS  
Australia: AICS