

# Material Safety Data Sheet



PRODUCT NAME: CAPRYLIC ACID 99% FGK

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: CAPRYLIC ACID 99% FGK  
DATE: August 12, 2012  
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. Mix and shovel into closed container. Wash site with sodium bicarbonate or soda ash solution. Clean up area immediately.

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### HANDLING AND STORAGE

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

MATERIAL SAFETY DATA SHEET

Caprylic Acid 99% FGK

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The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

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.