

**Material Safety Data Sheet****CAPRYLIC ACID****Section 1 - Product Identification**

Product Name : Caprylic Acid

Company Identification : Tradeasia International Pte. Limited

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**Section 2 – Composition / Information on ingredients**

CAS Number	124-07-2
Synonym	Octanoic acid, Acid C8
Formula	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>

**Section 3 – Hazard Identification****Emergency Overview****OSHA Hazards:** Corrosive**HMIS Classification****Health Hazard:** 3**Flammability:** 1**Physical hazards:** 0**NFPA Rating****Health Hazard:** 3**Fire:** 1**Reactivity Hazard:** 0**Potential Health Effects****Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.**Skin:** May be harmful if absorbed through skin. Causes skin burns.**Eyes:** Causes eye burns.**Ingestion:** May be harmful if swallowed. Causes burns.**Section 4 – First-Aid Measures**

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Swallow	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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### Section 5 – Fire Fighting Measures

<b>Flammable Properties:</b>	
Flash Point	110 °C (230 °F) - closed cup
Ignition Temperature	No Data Available
<b>Suitable Extinguishing Media</b>	Do not let product enter drains.
<b>Special Protective equipment for fire-fighters</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Section 6 – Accidental Release Measures

<b>Personal precautions</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
<b>Environmental precautions</b>	Do not let product enter drains.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Section 7 – Handling & Storage

Handling	Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.
Storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Section 8 – Exposure Controls/Personal Protection (later)

Contains no substances with occupational exposure limit values.

#### Personal protective equipment:

<b>Respiratory protection</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Hand protection</b>	Handle with gloves
<b>Eye protection</b>	Safety glasses
<b>Skin and body protection</b>	Choose body protection according to the amount and concentration of the dangerous substance at the workplace.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

	Wash hands before breaks and at the end of workday.
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## Section 9 – Physical and Chemical Properties

### Appearance

**Form:** clear, viscous liquid

**Color:** light yellow

### Safety data:

**pH:** 3.5 at 0.5 g/l

**Melting point:** 15 - 17 °C (59 - 63 °F)

**Boiling point:** 237 °C (459 °F); 237 - 238 °C (459 - 460 °F)

**Flash point:** 110 °C (230 °F) - closed cup

**Ignition temperature:** no data available

**Lower explosion limit:** no data available

**Upper explosion limit:** no data available

**Vapor pressure:** 13 hPa (10 mmHg) at 124 °C (255 °F); 1 hPa (1 mmHg) at 78 °C (172 °F)

**Density:** 0.91 g/mL at 25 °C (77 °F)

**Water solubility:** insoluble

**Relative vapour density:** 4.98 - (Air = 1.0)

## Section 10 – Stability and Reactivity

<b>Storage Stability</b>	Stable under recommended storage conditions.
<b>Materials to avoid</b>	Bases, Oxidizing agents, Reducing agents.
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section 11 – Toxicological Information

### Acute toxicity

LD50 Oral – rat: 10,080 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Diarrhea

LD50 Dermal – rabbit: > 5,000 mg/kg

**Irritation and corrosion:** no data available

**Sensitisation:** no data available

### Chronic exposure:

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure:** Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Cough, Shortness of breath, Headache, Nausea.

### Potential Health Effects:

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin:** May be harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes eye burns.

**Ingestion:** May be harmful if swallowed. Causes burns.

**Additional Information:** RTECS: RH0175000

## Section 12 – Ecological Information

**Elimination information (persistence and degradability):** no data available

**Ecotoxicity effects:** no data available

**Further information on ecology:** no data available

## Section 13 – Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 – Transport Information

### DOT (US):

UN-Number: 3265 Class: 8 Packing group: III

Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (Octanoic acid)

Marine pollutant: No

Poison Inhalation Hazard: No

### IMDG:

UN-Number: 3265 Class: 8 Packing group: III EMS-No: F-A, S-B

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Octanoic acid)

Marine pollutant: No

### IATA:

UN-Number: 3265 Class: 8 Packing group: III

Proper shipping name: Corrosive liquid, acidic, organic n.o.s. (Octanoic acid)

## Section 15 – Regulatory Information

**OSHA Hazards:** Corrosive

**DSL Status:** All components of this product are on the Canadian DSL list.

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard

**Massachusetts Right to Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right to Know Components:**

Octanoic acid

CAS-No. 124-07-2

**New Jersey Right to Know Components:**

Octanoic acid

CAS-No. 124-07-2

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

## Section 16: Additional Information

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#### **Disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.