

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

Product Name : Oleic Acid

Company Identification : Tradeasia International Pte. Limited

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**Section 2 – Composition / Information of Ingredients**

General Chemical Description	Oleic acid or Octadecenoic Acid
Chemical Formula	C18 H34 O2
Appearance	Clear colourless to pale yellow liquid
CAS Number	112-80-1
EINECS Number	204-007-1

**Section 3 – Hazardous Identification**

Product is non-hazardous

**Section 4 – First Aid Measures**

When Inhaled: Sore throat, Cough	Remove to fresh air. If suffocation is serious, take to a doctor
When in contact with skin: Redness, pain	Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary
When in contact with eyes: Redness, pain	Flush with water; take to a doctor if necessary
When in contact with eyes: Sore throat, abdominal pain	Rinse mouth, drink plenty of water, see physician

**Section 5 – Fire Fighting Measures**

Suitable fire-fighting agents:	Use dry powder, foam, carbon dioxide
Extinguishing media which must not be used for safety reasons:	Water jet
Specific hazards in the event of fire:	Combustible, keep away from open flame, no smoking

Protection of fire-fighters (use of protective equipment, etc.):	Use self-contained breathing equipment if in confined place
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#### Section 6 – Accident Release Measures

Personal precautions, protective equipment and emergency procedures:	Use gloves, face shield
Environmental precautions:	Do not allow to flow into drainage system.
Methods and materials for containment and cleaning up:	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. Wipe clean. Rinse the area with hot water and detergent. Dispose off in accordance with local state and federal regulation.

#### Section 7 – Handling and Storage

Precautions for safe handling:	Use gloves and wear goggles when handling. Avoid contact with eyes and skin.
Conditions for safe storage, including any incompatibilities:	Keep in a cool and dry place, avoid extreme heat and cold. Avoid direct fire. Keep separate from oxidants. Store in clean, dry, preferably stainless steel vessels. In bulk, store at about 10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss

#### Section 8 – Exposure Controls / Personal Protection

Control parameters:	None
Appropriate engineering controls:	No special measures required.
Individual protection measures, such as personal protective equipment (PPE):	Immediately remove soiled or soaked clothing. Hand protection: suitable protective gloves. Eye protection: protective goggles. Body protection: suitable protective clothing

#### Section 9 – Physical and Chemical Properties

Appearance: Clear colourless to pale yellow liquid

Odour: Very faint fatty odour

Odour threshold: Not available

pH: Not available

Melting point / freezing point: Approx 13 deg C

Initial boiling point and boiling range: 365 °C @ 760mm Hg

Flash point: 189 °C (Pensky-Martens closed cup)

Evaporation rate: Not applicable

Flammability (solid, gas): Not flammable

Upper/lower flammability or Explosive limits: Not explosive  
 Vapour pressure: 0.99 mm Hg @ 165°C  
 Vapour density: Not available  
 Relative density: Not available  
 Solubility: Soluble in ethanol, ether and most organic solvents  
 Partition coefficient: n-octanol/water Not available  
 Auto-ignition temperature: 363 °C  
 Decomposition temperature: Not available  
 Viscosity: Not Available  
 Density @ 75°C: 0.84 g/ml  
 Relative molecular mass: 282.5

### Section 10 – Stability and Reactivity

**Reactivity:** None known  
**Chemical stability:** None known  
**Possibility of hazardous reactions:** None known  
**Conditions to avoid:** Avoid direct fire, strong oxidant /alkalis  
**Incompatible materials:** Strong oxidants  
**Hazardous decomposition products:** None known

### Section 11 – Toxicological Information

**Acute toxicity: Oral (rat):** LD50 > 10000 mg/kg  
**Skin corrosion/irritation:**  
 Primary skin irritation: Mild irritating  
**Serious eye damage/irritation:** Mild Irritation  
**Respiratory or skin sensitization:** Not available  
**Germ cell mutagenicity:** Not available  
**Carcinogenicity:** Not available  
**Reproductive toxicity:** Not Available  
**STOST-single / repeated exposure:** Not available  
**Aspiration hazard:** Not available

### Section 12 – Ecological Information

**Aquatic Toxicity :**  
 Acute fish toxicity: LC 50 > 100 mg product/l.  
 Acute bacteria toxicity: EC 50 > 100 mg product/l.  
**Persistence and degradability:** Readily biodegradable  
**Bioaccumulative potential:** Log Pow =Not Available  
**Mobility in soil:** Not available  
**Other adverse effect:** Not available

### Section 13 – Ecological Information

Disposal Method	Waste incineration with the approval of the responsible local authority.
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### Section 14 – Transport Information

**UN Number:** None

**UN Proper Shipping Name:** None

**Transport Hazard Class:**

Not hazardous according to RID/ADR, GGVs/GGVE, ADN, IMDG,

ICAO-TI/IATA-DGR.

**Packing Group:** None

**Environmental Hazard:**

Marine pollutant (Yes/No): No

MARPOL Annex II : Category Y

#### Section 15 – Regulatory Information

**Classification and labelling according to GHS:** None

**Classification and labelling according to EC:** None

#### Section 16 – Other Information

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