

**SAFETY DATA SHEET**

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<b>Group of Chemicals:</b>	Fatty Acids	SDS No.: SDS-QC-005
<b>Commercial Name :</b>	OLEIC ACID	Date Issue : 11 December 2013
<b>Common Name/Other Name:</b>	Octadecenoic Acid / Fatty Acid C18 unsaturated.	Date Review: 15 October 2014

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**SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF SUPPLIER****Product name:**

Oleic Acid 72% min and Oleic Acid 75% min.

**Trade name**

Palmac 750, Palmac 750/MB, Palmac 755 &amp; Palmac 760

**Recommended uses:** Raw material for manufacturing oleochemical derivatives  
for Pharmaceutical, food, cosmetic and industrial use.**Supplier name:**Acidchem International Sdn Bhd.  
2411 Lorong Perusahaan Satu,  
Prai Industrial Complex.  
13600. Prai.  
Penang, Malaysia .**Emergency contact:**Acidchem International Sdn Bhd  
+604 3768888**Contact Person :**

- 1) Safety and Health Manager / Officer
- 2) Quality Control Manager / Chemist.

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**SECTION 2. HAZARDS IDENTIFICATION**

Product is non-hazardous

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****General chemical description:**Oleic acid or Octadecenoic Acid, formula C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>**CAS-number:**

112-80-1

**EINECS- number:**

204-007-1

**IOI OLEOCHEMICALS**

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### 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 ingested:**

Sore throat, abdominal pain

Rinse mouth, drink plenty of water, see physician

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### 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

### SECTION 6. ACCIDENT RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Use gloves, face shield



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**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.

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### 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 minimised to prevent quality loss.

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### 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.

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**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 oxidants/alkalis.

**Incompatible materials:**

Strong Oxidants.

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**Hazardous decomposition products:**

None known

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity:**

Oral (rat): LD50 =&gt;10000mg/kg

**Skin corrosion/irritation:**

Primary skin irritation : Mild irritation

**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

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### SECTION 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:**

Acute fish toxicity: LC 50 &gt; 100 mg product/l.

Acute bacteria toxicity: EC 50 &gt; 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

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### SECTION 13. DISPOSAL CONSIDERATIONS

**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.

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**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

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**SECTION 16. OTHER INFORMATION**

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

**Disclaimer**

This Safety Data Sheet does not constitute any warranty or guarantee as to the quality, properties, condition or otherwise of the product. It has been prepared from the best knowledge available to us and we shall not be liable for any insufficiency or inaccuracy in such information in any case whatsoever.