

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Identifier:

Product Name: Oleic Acid
CAS Number: 112-80-1
EC Number: 204-007-1
REACH Registration Number: Exempt from registration – Annex V Section 9.

Relevant identified uses of the substance or mixture and uses advised against:

Application of the substance / the mixture:

Industrial use:

Uses advised against: No uses specifically advised against.

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation.

Information concerning particular hazards for human and environment: Void

Label elements:

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name:	Oleic Acid
Generic name:	Fatty acids
CAS Number:	112-80-1
EC Number:	204-007-1
% w/w:	100

4. FIRST AID MEASURES

Description of first aid measures:

General information:	If you feel unwell seek medical advice.
Inhalation:	Supply fresh air; consult doctor in case of symptoms.
Ingestion:	Rinse mouth with water – Call Poison Information Centre. Consult a doctor if you feel unwell.
Skin contact:	Wash immediately with lots of water – Soap may be used. Take victim to a doctor if irritation persists.
Eye contact:	Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. FIRE-FIGHTING MEASURES

General measures:	Mark the danger area.
Exposure to heat:	Have neighbourhood close doors and windows.
Exposure to fire/heat:	Consider evacuation. Wash contaminated clothing.

Extinguishing Media:

Suitable Extinguishing media: ABC powder, CO₂, dry chemical powder, polyvalent foam, water spray.

Unsuitable extinguishing media: Solid water jet is ineffectual as extinguishing media.

Special hazards arising from the substance or mixture:

Fire hazard:

Direct fire hazard:	Combustible.
Indirect fire hazard:	Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.
Reactivity hazard on burning:	Release of carbon monoxide, carbon dioxide.

Advice for fire-fighters:

Protective equipment for fire-fighters: No special measures required.

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6. ACCIDENTAL RELEASE MEASURES

General measures: Mark the danger area. Exposure to heat: have neighbourhood close doors and windows.

Exposure to fire/heat: Consider evacuation. Wash contaminated clothing.

Personal precautions, protective equipment and emergency procedures:

Emergency responders: Wear fire resistant protective clothing, gloves. Heat/fire exposure: compressed air/oxygen apparatus.

Handling the product: Comply with the legal requirements. Keep container tightly closed. Keep away from ignition sources/sparks. Clean contaminated clothing. Observe normal hygiene standards.

Environmental precautions: Plug the leak. Cut off the supply. Contain released substance, pump into suitable containers. Prevent dispersion by covering with dry absorbent. Scoop solid spill into closable containers. Scoop absorbed substance into closable containers. Clean contaminated surfaces with an excess of water and soap solution. Wash clothing and equipment after handling.

Methods and material for containment and cleaning up: No further relevant information.

Reference to other sections: No further information.

7. HANDLING AND STORAGE

Precautions for safe handling: Comply with the legal requirements. Keep container tightly closed. Keep away from ignition sources/sparks. Clean contaminated clothing. Observe normal hygiene measures.

Conditions for safe storage, including any incompatibilities:

Storage: Keep container in a well-ventilated area. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Keep substances away from: Ignition sources. Strong acids, strong bases.

Containers: Closable. Meets the legal requirements. Material: Steel with plastic inner lining. Stainless steel. Aluminium.

Recommended materials: Stainless steel.

Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment: Gloves.

Material: Nitrile rubber. Protective clothing. Safety glasses.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:	Light yellow to dark yellow liquid
Odour:	Characteristic mild odour
Flashpoint:	>180oC (ASTM D92)
Boiling point:	>300oC
Viscosity:	No information
Decomposition temperature:	>300oC
Vapour pressure:	<2 hPa (131oC)
Absolute density:	ca.89 kg/m ³ (25oC)
Surface tension:	ca.0.03 N/m (20oC)
Log Pow:	>5 (est)
Solubility in water:	Insoluble
Auto-ignition temperature:	No information
Melting point:	ca. 13oC
Other properties:	Poorly soluble in water. Soluble in oils/fats. Soluble in most organic solvents
Other information:	No further relevant information available

10. STABILITY AND REACTIVITY

Reactivity:

On burning: Release of carbon monoxide, carbon dioxide.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Keep substances away from: ignition sources, strong acids and strong bases.

Materials to avoid: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: LD50: oral > 2000 mg/kg rat

Toxicity hazard: Literature reports – Basically nontoxic.

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12. ECOLOGICAL INFORMATION

ThOD:	No information
Log Pow:	>5 (est.)
General:	According to literature: no environmental hazard – no data available on ecotoxicity.
Waste materials:	Do not discharge into the environment. Remove to an authorized waste disposal treatment plant.
Soil:	Biodegradability in soil: No data available.
Water:	No bioaccumulation data available.
Air:	No supplementary information available.
Other properties:	Poorly soluble in water. Soluble in oils/fats. Soluble in most organic solvents.
Adverse effects:	No supplementary information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Prevent dispersion by covering with dry absorbent. Scoop solid spill into closable containers. Scoop absorbed substances into closable containers. Clean contaminated surfaces with an excess of water and soap solution. Wash clothing and equipment after handling.
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14. TRANSPORT INFORMATION

ADR/RID/IMDG/ICAO/IATA:	Not regulated as dangerous goods under transport regulations.
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Chemical inventories:

All ingredients listed in:	AICS, DSL, ECL, IECS, NZioC, PICCS, TSCA, EC inventories.
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Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.
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Note:	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.
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16. OTHER INFORMATION

Source of key data used to compile the data sheet: Supplier information.

Legal disclaimer:	The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.
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