



## MATERIAL SAFETY DATA SHEET

Version :02

PRODUCT NAME: OLEIC ACID

CAS Number: 112-80-1

**1. IDENTIFICATION:**

**Product Code** : 91183, 93340, 98529, 99116

**Company Name** : ADVENT CHEMBIO PRIVATE LIMITED

**Address** : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE,  
NAVI MUMBAI - 400 701, MAHARASHTRA, INDIA.

**E-mail** : [sales@adventchembio.com](mailto:sales@adventchembio.com)

**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)

**Company Phone Number** : +91 77770 84837

**2. HAZARDS IDENTIFICATION:**

**Hazard classification** : Not a hazardous substance or mixture

**Labels elements** : No hazard pictogram required

**Hazard symbol** : Not a hazardous substance or mixture

**Signal word** : Not a hazardous substance or mixture

**Hazard statement** : No hazard statement required

**Precautionary statement**

**Prevention** : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
No smoking.  
Keep container tightly closed

**Response** : IF ON SKIN (or hair): Rinse skin with water/ shower.  
IF IN EYES: Rinse with water

**Storage** : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3. COMPOSITION/ INFORMATION ON INGRADIENTS:**

Ingredient	CAS Number	Percent	Hazardous
Oleic Acid	112-80-1	NLT 99.0%	No



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**4. FIRST AID MEASURES:**

<b>General information</b>	: Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	: Move to fresh air.
<b>Skin contact</b>	: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
<b>Eye contact</b>	: Rinse out with plenty of water, remove contact lenses.
<b>Most important symptoms/effects, acute and delayed</b>	: Not a hazardous substance or mixture
<b>Indication of immediate medical attention and special treatment needed</b>	: No data available

**5. FIRE FIGHTING MEASURES:****General information****Suitable (and unsuitable) extinguishing media**

<b>Suitable extinguishing media</b>	: Carbon dioxide (CO2) Foam Dry powder
<b>Unsuitable extinguishing media</b>	: For this substance/mixture no limitations of extinguishing agents are given
<b>Specific hazards arising from the chemical</b>	Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.
<b>Special protective equipment and precautions for firefighters</b>	
<b>Special firefighting procedures</b>	: Move containers from fire area if you can do so without risk.
<b>Special protective equipment for fire-fighters</b>	: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. ACCIDENTAL RELEASE MEASURES:**

<b>Personal precautions, protective equipment and emergency procedures</b>	: Advice for non-emergency personnel: Do not breathe vapors, aerosols. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures and consult an expert.
<b>Methods and material for containment and cleaning up</b>	: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.
<b>Notification Procedures</b>	: Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
<b>Environmental precautions</b>	: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.



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**7. HANDLING AND STORAGE:**

<b>Precautions for safe handling</b>	:	Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye Protection/ face protection. Wash hands thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place.

**8. EXPOSURE CONTROLS PERSONAL PROTECTION:****Control parameters**

<b>Appropriate engineering controls</b>	:	No data available
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**Individual protection measures, such as personal protective equipment**

<b>General information</b>	:	An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
<b>Eye/face protection</b>	:	Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	:	Chemical resistant gloves.
<b>Other</b>	:	Wear suitable protective clothing.
<b>Respiratory protection</b>	:	Not required; except in case of aerosol formation.
<b>Hygiene measures</b>	:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	:	Clear colourless to pale yellow liquid.
<b>Odor</b>	:	No data available.
<b>Solubility</b>	:	Practically insoluble in water.
<b>Formula</b>	:	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>
<b>Molecular Weight</b>	:	282.46 g/mol
<b>Specific Gravity</b>	:	0.887 g/cm <sup>3</sup> at 25°C
<b>pH</b>	:	No data available.
<b>% Volatiles by volume @ 21C (70F)</b>	:	No data available.



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Boiling Point	: 194°-195°C
Melting Point	: 13-14°C
Flash Point	: No data available.
Vapor Density (Air=1)	: No data available.
Vapor Pressure	: 1.333 @ 176°C
Evaporation Rate (BuAc=1)	: No data available.

**10. STABILITY AND REACTIVITY:**

Reactivity	: Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
Chemical stability	: Material is stable under ambient conditions..
Possibility of hazardous reactions	: Violent reactions possible with: Oxidizing agents, perchloric acid Risk of explosion with: Aluminum
Conditions to avoid	: Strong heating
Incompatible materials	: No data available.
Hazardous decomposition products	: In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION:**

## Information on toxicological effects

## Acute toxicity (list all possible routes of exposure)

Oral Product	: LD 50 (Rat): 25.000 mg/kg
Dermal Product	: No data available.
Inhalation Product	: No data available.
Repeated dose toxicity Product	: No data available.
Skin corrosion/irritation Product	: Rabbit- No skin irritation
Serious eye damage/eye irritation Product	: Rabbit- No eye irritation.
Respiratory or skin sensitization Product	: No data available.
Carcinogenicity Product	: No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	: No data available.
US. National Toxicology Program (NTP) Report on	: No data available.



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**Carcinogens**

US. OSHA Specifically  
Regulated Substances (29  
CFR 1910.1001-1050  
Germ cell mutagenicity

In vitro Product : No data available.

Reproductive toxicity  
Product : No data available.

Specific target organ  
toxicity - single exposure  
Product : No data available.

Specific target organ  
toxicity - repeated  
exposure Product : No data available.

Aspiration hazard Product : No data available.

Other effects : None known.

**12. ECOLOGICAL INFORMATION:****Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product : LC50 - Pimephales promelas (fathead minnow) - 205 mg/l - 96 h

Daphnia and other aquatic  
invertebrates : EC50 - Daphnia - > 2,8 mg/l - 48 h

**Chronic hazards to the aquatic environment**

Fish Product : No data available.

Aquatic invertebrates  
Product : No data available.

Toxicity to Aquatic Plants  
Product: : No data available.

**Persistence and degradability**

Biodegradation Product : No data available.

BOD/COD ratio Product : No data available.

**Bioaccumulative potential**

Bioconcentration factor  
(BCF) Product : No data available on bioaccumulation.

Partition coefficient n-  
octanol / water (log Kow)  
Product : No data available.



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**Mobility in soil** : No data available.

**Other adverse effects** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**13. DISPOSAL CONSIDERATION:**

**Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION:**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT		Oleic Acid		Not dangerous goods	
IMDG		Oleic Acid		Not dangerous goods	
IATA		Oleic Acid		Not dangerous goods	

**15. REGULATORY INFORMATION:**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No Data Available.

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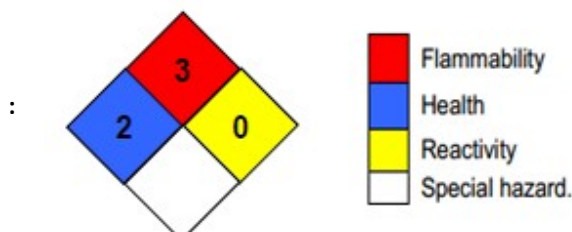
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## 16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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