



**LINOLEIC ACID FREE ACID**  
**CELL CULTURE TESTED**  
**CAS No 60-33-3**

**MATERIAL SAFETY DATA SHEET**  
**SDS/MSDS**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**

Product name : Linoleic Acid, Free Acid Cell Culture Tested

CAS-No. : 60-33-3

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Industrial & for professional use only.

**1.3 Details of the supplier of the safety data sheet**

Company : Central Drug House (P) Ltd  
7/28 Vardaan House  
New Delhi -110002 INDIA

Telephone : +91 11 49404040

Email : [care@cdhfinechemical.com](mailto:care@cdhfinechemical.com)

**1.4 Emergency telephone number**

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

**SECTION 2 Hazards Identification**

**2.1 Classification of the substance or mixture**

***CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]***

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

**2.2 Label elements**

***Labeling according to Regulation (EC) No.1272/2008***

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3 Other Hazards**

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

## SECTION 3 Composition/Information On Ingredients

### 3.1 Substances

Molecular Formula :  $C_{18}H_{32}O_2$   
Molecular Weight : 280.45  
CAS No. : 60-33-3  
EC No. : 200-470-9

No components need to be disclosed according to the applicable regulations.

## SECTION 4 First Aid Measures

### 4.1 Description of first aid measures

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### **In case of eye contact**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

#### **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

### 4.3 Indication of immediate medical attention and special treatment needed

No data available

## SECTION 5 Fire Fighting Measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

#### **Unsuitable extinguishing media**

No data available.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

### 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

### 5.4 Further information

No data available

## SECTION 6 Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.  
Evacuate personnel to safe areas.
- 6.2 Environmental precautions**  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.
- 6.3 Methods and materials for containment and cleaning up**  
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections**  
For disposal see Section 13.

## SECTION 7 Handling and Storage

- 7.1 Precautions for safe handling**  
Avoid contact with skin and eyes. Avoid inhalation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2
- 7.2 Conditions for safe storage, including any incompatibilities**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
**Recommended Storage Temperature : 2 - 8°C**
- 7.3 Specific end uses**  
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8 Exposure Controls/Personal Protection

- 8.1 Control parameters**  
Components with workplace control parameters
- 8.2 Exposure controls**  
**Appropriate engineering controls**  
Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.  
**Personal protective equipment**  
**Hygiene measure**  
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.  
**Eye/face protection**  
Faceshield and safety goggles.  
**Skin protection**  
Handle with gloves.  
**Body protection**  
Complete suit protecting against chemicals.  
**Respiratory protection**  
Air-purifying respirators.  
**Environment exposure controls**  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Colourless to light yellow or faint green-yellow oily liquid
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Upper/lower flammability or explosive limits	No data available
Evaporation rate	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapour density	No data available
Thermal decomposition	No data available

### 9.2 Other safety information

No data available

## SECTION 10 Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Bases, Oxidizing agents, Reducing agents

### 10.6 Hazardous decomposition products

Other decomposition products - refer section 5.2.

In the event of fire - refer section 5.

## SECTION 11 Toxicological Information

### 11.1 Information on toxicological effects

#### *Acute toxicity*

No data available

***Skin corrosion/irritation***

No data available

***Serious eye damage/eye irritation***

No data available

***Respiratory or skin sensitisation***

No data available

***Germ cell mutagenicity***

No data available

***Carcinogenicity***

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.

***Reproductive toxicity***

No data available

***Specific target organ toxicity- single exposure***

No data available

***Specific target organ toxicity - repeated exposure***

No data available

***Aspiration hazard***

No data available

***Additional Information***

RTECS : RF9990000

**SECTION 12 Ecological Information**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 PBT and vPvB assessment**

PBT and vPvB assessment not available Chemical safety assessment is not required

**12.6 Other adverse effects**

Discharge into the environment must be avoided.

**SECTION 13 Disposal Considerations**

**13.1 Waste treatments methods**

**Product**

Burn in a chemical incinerator equipped with an after burner and scrubber but exert extra care in igniting as this material is highly flammable.

**13.2 Contaminated packaging**

Dispose of as unused product.

## SECTION 14 Transport Information

### 14.1 UN-No

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

### 14.2 UN proper shipping name

ADNR : Not dangerous goods  
ADR : Not dangerous goods  
IATA\_C : Not dangerous goods  
IATA\_P : Not dangerous goods  
IMDG : Not dangerous goods  
RID : Not dangerous goods

### 14.3 Transport hazard class(es)

ADNR : - ADR : - IATA\_C : - IATA\_P : - IMDG : - RID : -

### 14.4 Packaging group

ADNR :- ADR :- IATA\_C :- IATA\_P :- IMDG :- RID :-

### 14.5 Environmental hazards

ADNR : No ADR : No IMDG : Marine Pollutant : No IATA\_C : No IATA\_P : No RID : No

### 14.6 Special precautions for use

No data available

## SECTION 15 Regulatory Information

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

### 15.1 Safety health and environment regulations/legislation specific for the substance or mixture

No data available

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16 Other information

### Further Information

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. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.cdhfinechemical.com](http://www.cdhfinechemical.com) for additional terms and conditions of sale.