

**MATERIAL SAFETY DATA SHEET**

<b>Product Name</b>	<b>ACETONE LR</b>
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**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : ACETONE LR

Product code : A0023

Identification of the product: ACETONE LR

CAS No : 67-64-1

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

againstUse: Industrial. For professional use only.

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

Company identification: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

**2. Hazards identification -DSD**

**2.1 Classification of the substance or mixture**

Classification EC 67/548 or EC 1999/45

Classification : F; R11

R66

R67

Xi; R36

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

**Health hazards** : Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -

Warning (CLP : STOT SE 3) H336

Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

**Physical hazards** : Flammable liquids - Category 2 - Danger (CLP : Flam. Liq. 2) H225

**2.2 Label element**

Symbol(s) : F : Highly flammable

Xi : Irritant



**R Phrase(s)** : R11 : Highly flammable.

R36 : Irritating to eyes.

R66 : Repeated exposure may cause skin dryness or cracking.

R67 : Vapours may cause drowsiness and dizziness.

**S Phrase(s)** : S2 : Keep out of the reach of children.

S9 : Keep container in a well-ventilated place.

S16 : Keep away from sources of ignition - No smoking.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46 : If swallowed seek medical advice immediately and show this container or label.

**Labelling Regulation EC 1272/2008 (CLP)**

**Hazard pictograms**



**Signal words :** Danger

**Hazard statements :** H225 : Highly flammable liquid and vapour.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

**Precautionary statements**

• **General :** P102: Keep out of reach of children.

P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

• **Prevention :** P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating, lighting, ..., equipment.

P210: Keep away from heat, sparks, open flames or hot surfaces. – No smoking.

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust, fume, gas, mist, vapours, spray.

P233: Keep container tightly closed.

P264: Wash thoroughly after handling.

• **Response :** P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.

P337+P313: If eye irritation persists: Get medical advice/attention.

P370+P378: In case of fire: Use for extinction.

• **Storage :** P403+P233: Store in well-ventilated place. Keep container tightly closed.

P403+P235: Store in well-ventilated place. Keep cool.

P405: Store locked up.

• **Disposal considerations :** P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**2.3 Other hazards**

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**3. Composition/information on ingredients**

**Substance / Preparation:** ACETONE LR

CAS No :67-64-1

Substance.

Contains no other components or impurities which will influence the classification of the product.

#### **4. First aid measures**

##### **4.1 Description of first aid measures**

**Inhalation** : Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.

**Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

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

**Symptoms relating to use** : Causes serious eye irritation.

May cause drowsiness or dizziness.

Repeated exposure may cause skin dryness or cracking.

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

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### **5. Fire-fighting measures**

##### **5.1 Extinguishing media**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

##### **5.2 Specific hazards arising from the substance or mixture**

**Flammable class** : Highly flammable liquid and vapour.

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

##### **5.3 Advice for fire-fighters**

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

#### **6. Accidental release measures**

##### **6.1 Personal precautions, protective equipment and emergency procedures**

**For emergency responders** : Equip cleanup crew with proper protection. Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.

**Technical measures** : Use special care to avoid static electric charges.

**Special precautions** : Remove ignition sources. No naked lights. No smoking.

**For non-emergency personnel** : Evacuate unnecessary personnel.

##### **6.2 Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

##### **6.3 Methods and material for containment and cleaning up**

**Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### **6.4 Reference to other sections**

See section 8. Exposure controls/personal protection

#### **7. Handling and storage**

##### **7.1 Precautions for safe handling**

**Handling** : Handle empty containers with care because residual vapours are flammable.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, ..., equipment.

**Special precautions** : No naked lights. No smoking. Avoid breathing dust, fume, gas, mist, vapours, spray

##### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Keep container tightly closed. Ground/bond container and receiving equipment.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources

##### **7.3 Specific end use(s)**

Specific end use(s): None.

#### **8. Exposure controls/personal protection**

##### **8.1 Exposure control**

**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

- **Hand protection** : Wear protective gloves.

- **Eye protection** : Chemical goggles or safety glasses.

- **Others** : When using, do not eat, drink or smoke.

##### **8.2 Control parameters**

**Occupational Exposure Limits** : No data available.

**VLA-ED [ppm]** : 500

**VLA-ED [mg/m<sup>3</sup>]** : 1210

**OEL (UK)-LTEL [ppm]** : 500

**OEL (UK)-STEL [ppm]** : 1500

#### **9. Physical and chemical properties**

##### **9.1 Information on basic physical and chemical properties**

**Physical state at 20 °C** : Liquid.

**Colour** : Clear Colorless

**Odour** : Fragrant, mint-like

**Odour threshold** : 62 ppm

**pH value** : No data available.

**Melting point [°C]** : -95

**Decomposition point [°C]** : N/A

**Critical temperature [°C]** : 235°C

**Auto-ignition temperature [°C]** : 540

**Flammability (solid, gas) :** Highly flammable liquid and vapour.

Extremely flammable

**Flash point [°C] :** -20

**Boiling point [°C] :** 56

**Initial boiling point [°C] :** N/A

**Final boiling point [°C] :** N/A

**Evaporation rate :** N/A

**Vapour pressure [20°C] :** 24 kPa

**Vapour pressure mm/Hg :** 177 (20° C)

**Vapour density :** 2

**Density [g/cm<sup>3</sup>] :** 0.8

**Relative density, gas (air=1) :** 2

**Relative density, liquid (water=1) :** N/A

**Solubility in water [% weight] :** Complete.

**Solubility in water :** N/A

**Log Pow octanol / water at 20°C :** No data available.

**Solubility :** N/A

**Viscosity at 40°C [mm<sup>2</sup>/s] :** N/A

#### **9.2 Other information**

**Explosive properties :** N/A

**Explosion limits - upper [%] :** 13

**Explosion limits - lower [%] :** 2.3

**Oxidising properties :** No data available.

#### **10. Stability and reactivity**

##### **10.1 Reactivity**

**Reactivity :** Not established.

##### **10.2 Chemical stability**

**Chemical stability :** Stable under recommended storage conditions.

##### **10.3 Possibility of hazardous reactions**

**Hazardous reactions :** Not established.

##### **10.4 Conditions to avoid**

**Conditions to avoid :** Direct sunlight. Extremely high or low temperatures. Open flame.

##### **10.5 Incompatible materials**

**Materials to avoid :** Strong acids. Strong bases.

##### **10.6 Hazardous decomposition products**

**Hazardous decomposition products :** Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

#### **11. Toxicological information**

##### **11.1 Information on toxicological effects**

**Acute toxicity**

- **Inhalation :** Based on available data, the classification criteria are not met.
- **Dermal :** Based on available data, the classification criteria are not met.
- **Ingestion :** Based on available data, the classification criteria are not met.
- **Corrosion :** Based on available data, the classification criteria are not met

**Irritation** : Causes serious eye irritation.

Repeated exposure may cause skin dryness or cracking.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : May cause drowsiness or dizziness.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

## **12. Ecological information**

### **12.1 Toxicity**

**Toxicity information** : Not established.

### **12.2 Persistence - degradability Persistence - degradability** : Biodegradable.

### **12.3 Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

### **12.4 Mobility in soil**

**Mobility in soil** : Not established.

**Log Pow octanol / water at 20°C** : 58.1

### **12.5 Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### **12.6 Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

## **13. Disposal considerations**

### **13.1 Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Special precautions** : Handle empty containers with care because residual vapours are flammable.

## **14. Transport information**

### **14.1 Land transport (ADR-RID)**

**Proper shipping name** : ACETONE

**UN N°** : 1090

**H.I. nr** : 33

**ADR - Class** : 3

**Labelling - Transport** : 3 : Flammable liquid.

**ADR - Classification code** : F1

**ADR - Group** : II

**ADR - Packing instructions** : P001 R001

**ADR - Limited Quantity** : 1 L



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**ADR - Tunnel code** : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.

**14.2 Sea transport (IMDG) [English only] Proper**

**shipping name** : ACETONE

**UN N°** : 1090

**IMO-IMDG - Class or division** : 3 : Flammable liquid.

**IMO-IMDG - Packing group** : II

**IMO-IMDG - Packing instructions** : P001

**IMO-IMDG - Limited quantities** : 1 L

**IMO-IMDG - Marine pollution** : No

**EMS-Nr** : F-E S-D

**14.3 Air transport (ICAO-IATA) [English only] Proper**

**shipping name** : ACETONE

**UN N°** : 1090

**IATA - Class or division** : 3 : Flammable liquid.

**IATA - Packing group** : II

**IATA - Passenger and Cargo Aircraft** : ALLOWED

**- Passenger and Cargo - Packing** : 353  
**instruction**

**- Passenger and Cargo - Maximum** : 5 L  
**Quantity/Packing**

**IATA - Cargo only** : ALLOWED

**- Cargo only - Packing instruction** : 364

**- Cargo only - Maximum Quantity/** : 60 L

**Packing**

**IATA - Limited Quantities** : 1 L

**ERG-Nr** : 3H

**15. Regulatory information**

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

**Safety, health and environmental** : Ensure all national/local regulations are observed.

**regulations/legislation specific for the substance or mixture**

**REACH Restrictions - Annex XVII** : The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV** : The components of this product are not subject to authorization.

**15.2 Chemical Safety Assessment**

**Chemical Safety Assessment** : It has not been carried out.

**16. Other information**

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006



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**Further information :** None.

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**End of document**

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