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**ACETONE (Pure Grade)**

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Trade name : ACETONE (PURE GRADE)  
Product code PG003  
Identification of the product : ACETONE (PURE GRADE)  
CAS No :67-64-1  
EC No :200-662-2  
Annex No :606-001-00-8  
Chemical formula  $C_3H_6O$

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

Use : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet****Company identification**

: Hexon Laboratories Pvt. Ltd.  
1/14, Govind Building, Ardeshir dadi street,  
Charni Road, Mumbai – 400 004.  
Ph. No. : 9028003459  
E-mail : [customercare@hexonlab.com](mailto:customercare@hexonlab.com)  
Web : [www.hexonlab.com](http://www.hexonlab.com)

**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 3 - Warning (CLP : Flam. Liq. 3) H226



**2.2. Label elements**

Labelling EC 67/548 or EC 1999/45

Symbol(s)



## ACETONE (Pure Grade)

<b>Symbol(s)</b>	:	F : Highly flammable Xi : Irritant
<b>R Phrase(s)</b>	:	R11 : Highly flammable. R36 : Irritating to eyes.. R66 : Repeated exposure may cause skin dryness or cracking R67 : Vapours may cause drowsiness and dizziness
<b>S Phrase(s)</b>	:	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
<b>Contains</b>	:	Acetone.
<b>Labelling Regulation EC 1272/2008 (CLP)</b>		
<b>Hazard pictograms</b>	:	 
<b>signal words</b>	:	Danger
<b>Hazard statements</b>	:	H225 : Highly flammable liquid and vapour. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness.
<b>Precautionary statements</b>	:	
• <b>General</b>	:	:P102: Keep out of reach of children. P103: Read label before use.
• <b>Prevention</b>	:	P101: If medical advice is needed, have product container or label at hand. 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
• <b>Response</b>	:	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...
• <b>Storage</b>	:	P403+P235: Store in well-ventilated place. Keep cool. P403+P233: Store in well-ventilated place. Keep container tightly closed. P405: Store locked up
• <b>Disposal considerations</b>	:	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.
<b>Contains</b>	:	Acetone.

### 2.3. Other hazards

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**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 (Pure Grade)  
CAS No :67-64-1  
EC No :200-662-2  
Annex No :606-001-00-8  
Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Acetone	: 100 %	67-64-1	200-662-2	606-001-00-8	----	F+ R11 R66 R67 Xi, R36 ----- Flam. Liq. 2 H225 Eye irrit 2 H319 STOT SE 3 H336 STOT RE EUH066

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

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

#### **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. Special 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.

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**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. Store away from other materials. Collect spillage.

- 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. Ground/bond container and receiving equipment  
: Keep container Closed when not in use.
- Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight., Heat sources

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

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Specific end use(s) : None.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Exposure controls

##### 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)	: Extremely flammable Highly flammable liquid and vapour..
Flash point [°C]	: -20
Boiling point [°C]	: 56
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapor pressure [20°C]	: 24 kPa
Vapor pressure mm/Hg	: 177 (20°C)
Vapor 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

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**9.2. Other information**

Explosive properties	:	N/A
Explosion limits - upper [%]	:	13
Explosion limits - lower [%]	:	2.3
Oxidizing 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.

**10.5. Incompatible materials**

Materials to avoid : Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

Products : Fumes. Carbon monoxide. Carbon dioxide.  
May release flammable gases

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute toxicity**

- Inhalation : Harmful if inhaled.
- Dermal : Based on available data, the classification criteria are not met..
- Ingestion : Based on available data, the classification criteria are not met.
- Corrosion : Causes severe skin burns and eye damage.
- Irritation : Causes serious eye damage.

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**

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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.

**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 (Pure Grade)

**UN N°** : 1090

**H.I. nr** : 33

: 3

**ADR - Class**

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





**ADR - Classification code** : CF1

: CF1

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ADR - Group : II  
ADR - Packing instructions : P001  
ADR - Limited Quantity : 1 L

	
D1E	BULK/TANK = D E

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 (Pure grade)  
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 (Pure Grade)  
UN N° : 1090  
IATA - Class or division : (3 : Flammable liquid. ).  
IATA - Packing group : II  
IATA - Passenger and Cargo Aircraft : ALLOWED  
- Passenger and Cargo - Packing instruction : 353  
- Passenger and Cargo - Maximum Quantity/Packing : 5 L  
IATA - Cargo only : ALLOWED  
- Cargo only - Packing instruction : 364  
- Cargo only - Maximum Quantity/Packing : 60 L  
IATA - Limited Quantities : 1 L  
ERG-Nr : 3 H

## 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.



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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**

**Revision**

: Revision - See : \*

**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

**List of relevant R phrases (heading 3)**

R11 : Highly flammable  
R36 : Irritating to eyes  
R66 : Repeated exposure may cause skin dryness or cracking  
R67 : Vapours may cause drowsiness and dizziness  
H225 : Highly flammable liquid and vapour  
H319 : Causes serious eye irritation  
H336 : May cause drowsiness or dizziness  
EUH066: Repeated exposure may cause skin dryness or cracking

**List of full text of H-statements in section 3**

**Further information**

: None

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In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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