



SAFETY DATA SHEET

ACETONE

SECTION 1: Chemical Product and Company Identification

Product name	:	Acetone
CAS-No.	:	67-64-1
Identified uses	:	Laboratory Chemicals, Industrial & for professional use only
Company	:	Sisco Chem Private Limited
Address	:	Unit No. 102, Sethia Industrial Park, Vasai Phata, Vasai (E), Dist Palghar-401208, Maharashtra, India
Email	:	info@siscochem.com
Emergency Phone#	:	+917021164736 (9:00am-6:30pm) [Office hours]

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319

Specific target organ toxicity-single exposure (Category 3), Central Nervous system, H336

For the full text of H-statements mentioned in this section, see section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008



Signal word	Danger
Hazard statement(s)	
H225	Highly flammable liquid or vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
Precautionary statement(s)	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present. Continue rinsing.
Supplemental hazard statement	Repeated exposure may cause skin dryness or cracking



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SECTION 3: Composition / Information on Ingredients

Substances

Formula	: C ₃ H ₆ O
Molecular weight	: 58.08g/mol
CAS No	: 67-64-1
EC-No	: 200-662-2
Index No	: 606-001-00-8
Registration No	: 01-2119471330-49-xxxx

Hazardous ingredient according to Regulation (EC) no. 1272/2008

Chemical Name	Synonym	CAS No	EC Number	Classification	Concentration
Acetone	----	67-64-1	200-662-2	Flam Liq 2; Eye irrit 2; STOTSE 3 H225, H319,H336 EUH 066	<=100%

SECTION 4: First Aid Measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water and consult a physician.

If swallowed: Make victim drink water (two glasses at most). Avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralize.

Most important symptoms and effects, both acute and delayed: See label elements, section 2.2 or section 11

Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5: Firefighting Measures

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish surrounding fire.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Use water spray to cool unopened containers

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Do not empty into drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills. Dispose of properly, clean up affected area.



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SECTION 7: Handling and Storage

Precautions for safe handling

Observe label precautions.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the substance.

Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: Exposure Controls / Personal Protection

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before break and at the end of work day.

Personal protective equipment

- Eye / face protection** : Face shield and safety glasses. Use equipment for eye protection tested and approved by appropriate government standard such as NIOSH (US) / EN 166 (EU).
- Skin protection** : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- Body protection** : Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Respiratory protection** : Where risk assessment shows air-purifying respirators are appropriate, use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Control of environmental exposure** : 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

Information on basic physical and chemical properties

- a) Appearance : Form: liquid,
Colour: colourless
- b) Odour : no data available
- c) pH : no data available
- d) Melting Point /Freezing point : approx. -94°C
- e) Initial boiling point and range : approx. 56°C at 1.013hPa
- f) Flash Point : -16.99°C; closed cup
- g) Upper/lower flammability or explosive limits : Upper explosion limit: 13% (V)
: Lower explosion limit 2% (V)



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f) Vapor pressure	: 533.3 hPa at 39.5°C 245.3 hPa at 20°C
g) Vapor density	: no data available
h) Relative density	: 0.790-0.793g at 25°C
i) Water solubility	: completely miscible
j) Partition coefficient: n-octanol/water	: log pow: 0.24
k) Auto ignition temperature	: 465.0°C

Other safety information

Surface tension : 23.2 mN/m at 20°C

SECTION 10: Stability and reactivity

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Heat, flames and sparks
Incompatible materials	:	Bases, oxidizing agents, reducing agents, Acetone reacts violently with phosphorous oxychloride
Hazardous decomposition products	:	In the event of fire, see section 5,

SECTION 11: Toxicological Information

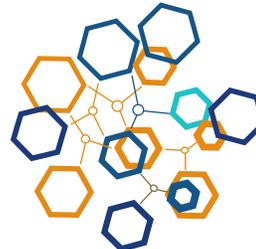
Information on toxicological effects

Acute oral toxicity	:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea
Acute inhalation toxicity	:	Drowsiness, dizziness unconsciousness
Acute dermal toxicity	:	No data available
Skin corrosion / irritation	:	Mild skin irritation
Serious eye damage / eye irritation	:	Mild eye irritation
Respiratory or skin sensitization	:	Does not cause skin sensitisation
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	:	May cause drowsiness or dizziness
Specific target organ toxicity -repeated exposure	:	No data available
Aspiration hazard	:	No data available
Additional Information	:	RTECS: AL3150000

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Kidney irregularities-Based on human evidence

Skin dermatitis-Based on human evidence



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SECTION 12: Ecological Information

Toxicity	:	No data available
Persistence and degradability	:	91% readily biodegradable (OECD test guideline 301B)
Bio accumulative potential	:	Does not bioaccumulate
Mobility in soil	:	No data available
Results of PBT and vPvB assessment :		This substance / mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative v(PvB) at levels of 0.1, or higher
Other adverse effects	:	No data available

SECTION 13: Disposal Considerations

Product	:	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non recyclable solutions to a licensed disposal company
Contaminated packaging	:	Dispose of as unused product.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA
UN number	1090	1090	1090
UN proper shipping name	ACETONE	ACETONE	Acetone
Transport hazard class(es)	3	3	3
Packaging group	II	II	II
Environmental hazards	No	Marine pollutant: No	No

SECTION 15: Regulatory Information

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

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

Chemical safety assessment

A chemical safety assessment has not been carried out for this product

SECTION 16: Other Information

Full text of H-statements referred to under section 2 & 3

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	may cause drowsiness or dizziness
STOT SE	Specific target organ toxicity -single exposure

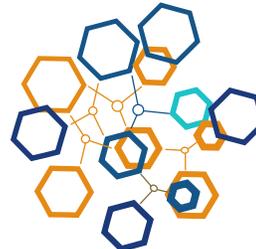


SISCO CHEM

Laboratory Chemicals & Reagents

CIN No: U24110MH1998PTC114594

ISO 9001:-2015 Certified company



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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. Sisco Chem Private Limited and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.siscochem.com for additional terms and conditions of sale.