



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
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SAFETY DATA SHEET (SDS)

Acetone *SDS*

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

CAS 67-64-1

EC 200-662-2

SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS07

Eye Irritant / STOT SE

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name	Acetone
Product Type	Ketone solvent
Chemical Family	Ketone
CAS No.	67-64-1
EC No.	200-662-2
Intended Use	Industrial solvent, cleaning agent and process chemical.
Restrictions on Use	Industrial / professional use only.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/acetone
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; EUH066

Flammable Liquids	Category 2 — H225: Highly flammable liquid and vapour
Eye Irritation	Category 2 — H319: Causes serious eye irritation
Specific Target Organ (STOT-SE)	Category 3 — H336: May cause drowsiness or dizziness



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Skin (EU Supplementary)	EUH066 — Repeated exposure may cause skin dryness or cracking
Skin Sensitisation	Not classified
Reproductive Toxicity	Not classified
Aspiration Hazard	Not classified
Aquatic Hazard (Chronic)	Not classified
Signal Word	DANGER
GHS Pictograms	GHS02 (Flame) GHS07 (Exclamation Mark)

HAZARD STATEMENTS

- 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

PRECAUTIONARY — PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY — RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.



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- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Acetone	67-64-1	200-662-2	100	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; EUH066

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air and keep comfortable for breathing. If symptoms such as dizziness, headache, nausea, or drowsiness persist, seek medical attention.
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical advice.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation continues.
Ingestion	Do not induce vomiting. Rinse mouth with water and seek immediate medical attention or poison centre guidance.
Note to Physician	Treat symptomatically. Monitor for central nervous system depression and respiratory irritation.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry chemical powder, carbon dioxide, or water spray/fog.
Unsuitable Media	Direct water jet on burning liquid.



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Specific Hazards	Highly flammable liquid and vapour. Flammable vapours may form explosive mixtures with air, travel to ignition sources and flash back. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Use grounded/explosion-proof equipment. Cool exposed containers with water spray. Evacuate non-essential personnel and prevent run-off from entering drains.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate ignition sources, ensure ventilation, and wear suitable PPE. Avoid breathing vapours.
Environmental Precautions	Prevent release to drains, sewers, and waterways.
Containment / Clean-up	Use non-sparking tools and absorb with inert, non-combustible material such as vermiculite or dry sand. Collect spill residue into sealed labelled containers for disposal by an authorised contractor.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal, and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use only in well-ventilated areas. Ground and bond containers during transfer. Keep away from heat, sparks, open flames, and hot surfaces. Do not smoke.
Hygiene	Wash hands after handling. Remove contaminated clothing before re-use. Do not eat, drink, or smoke when using this product.
Storage Conditions	Store tightly closed in a cool, dry, well-ventilated place designed for flammable liquids. Store in approved containers suitable for flammable liquids. Keep containers grounded during transfer.
Storage Temperature	Below 30 °C preferred.
Incompatible Materials	Strong oxidising agents, strong acids, strong bases, and reactive halogens.
Segregation	Segregate from oxidisers, acids, food, and incompatible chemicals.



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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Acetone (CAS 67–64–1): Use verified local OEL (8h TWA) and STEL/ceiling if established (OSHA/NIOSH/ACGIH/EU/UK/India). Apply ALARA/good industrial hygiene where no local limit is set. Supplier/regional OEL confirmation required.
Engineering Controls	Closed handling/local exhaust ventilation for vapour. Explosion-proof ventilation and grounding for flammable liquid handling.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved organic vapour respirator cartridge. Use SCBA for emergencies or confined-space entry.
Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene, PVC or laminate); select for breakthrough time. Eyes: EN 166/ANSI Z87.1 chemical splash goggles; face shield for splash risk. Body: chemical-resistant clothing/apron and safety footwear; antistatic PPE where flammable vapours may occur.
Hygiene Measures	No smoking, eating, or drinking in work area. Wash hands before breaks and after work. Eyewash station and safety shower within 10 seconds travel.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Fragrant, mint-like solvent odour
Odour Threshold	Not established
pH	Not applicable (pure solvent)
Melting / Freezing Point	–95 °C
Boiling Point / Range	56.1 °C (133 °F)
Flash Point	–18 °C (0 °F) closed cup
Auto-ignition Temperature	465 °C (approx.)
Flammability Limits	Lower (LEL): 2.5% v/v Upper (UEL): 12.8% v/v
Vapour Pressure	180 mmHg at 20 °C
Vapour Density (air = 1)	~2.0 (heavier than air)
Relative Density	0.79 at 20 °C
Solubility in Water	Miscible
Log Pow (Partition Coeff.)	–0.24 (approx.)
Evaporation Rate	Fast (relative to n-butyl acetate = 1)



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Viscosity	Low viscosity mobile liquid
VOC Content	100%

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under normal ambient conditions.
Conditions to Avoid	Heat, sparks, open flames, static discharge, and temperatures above the flash point.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride ($AlCl_3$) under elevated temperature – not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon monoxide, carbon dioxide, and irritating fumes may be formed in fire.
Hazardous Reactions	No hazardous polymerisation under normal conditions. Will not occur under normal storage and use.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute oral toxicity; ingestion may cause gastrointestinal upset and central nervous system depression.
Acute Dermal Toxicity	Low acute dermal toxicity; repeated or prolonged contact may dry the skin.
Acute Inhalation Toxicity	High vapour concentrations may cause headache, dizziness, nausea, and drowsiness.
Skin Irritation	EUH066 — Repeated exposure may cause skin dryness or cracking.
Eye Irritation	Causes serious eye irritation (H319).
Sensitisation	Not expected to cause skin sensitisation.
Specific Target Organ (Single)	STOT SE 3 — may cause drowsiness or dizziness (H336).
Specific Target Organ (Repeat)	Repeated excessive exposure may cause CNS effects and dermatitis.
Reproductive Toxicity	Not classified for reproductive toxicity.
Aspiration Hazard	Not classified as an aspiration hazard.
Carcinogenicity	Not classifiable as to its carcinogenicity to humans.
Mutagenicity	Not classified as mutagenic.



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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute or chronic aquatic hazard classification assigned from reviewed data. Numeric ecotoxicity data not universally verified; avoid uncontrolled release. Obtain supplier/ecotoxicity data if required for registration or export.
Persistence / Degradability	Expected to be biodegradable; confirm with supplier or regulatory data source (ECHA, PubChem) before assuming ready biodegradability for registration purposes.
Bioaccumulation	Low bioaccumulation potential based on log Pow of -0.24. Verify with BCF data where available.
Mobility in Soil	Highly mobile in soil and groundwater due to high water miscibility and low adsorption potential. Prevent release to soil and groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. Dispose and manage under applicable local environmental and waste regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through a licensed waste contractor in accordance with local regulations.
Contaminated Packaging	Empty containers may retain flammable vapours; treat as hazardous until properly cleaned or disposed. Use the appropriate waste code based on local regulations and actual waste stream.
Indian Regulations	Follow local hazardous waste and pollution control requirements under applicable Indian MSIHC, environmental, and waste regulations.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1090	UN 1090	UN 1090
Proper Shipping Name	ACETONE	ACETONE	ACETONE
Class	3	3	3
Packing Group	II	II	II
Marine Pollutant	No	No	No



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PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
Tunnel Restriction (ADR)	D/E	—	—
EmS (IMDG)	—	F-E, S-D	—
Special Provisions (IATA)	—	—	A3, A72

Transport in accordance with applicable ADR 2023 / IMDG Code / IATA DGR requirements. Approved UN-certified containers required. Label with Class 3 placard, UN 1090, PG II, and product name.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements for classification, labelling and exposure management. Classified and labelled in accordance with EC 1272/2008 (CLP).
OSHA (USA)	Complies with OSHA HCS/HazCom (29 CFR 1910.1200) format and hazard communication rules. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, workplace chemical safety, storage, transport, pollution-control and hazardous-waste requirements. Observe applicable VOC and workplace chemical safety requirements.
Canada WHMIS / HPR	Classify and label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed.
Australia (AICS)	Listed on the Australian Inventory of Chemical Substances.
Other Jurisdictions	Observe local GHS-aligned workplace and transport requirements. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions.

SECTION 16 OTHER INFORMATION

Prepared By	Supreme Petro Chemicals — Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16-section format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)



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Disclaimer

Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance.

FULL TEXT OF H-STATEMENTS

- 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
-