



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)

Isopropyl Alcohol (IPA) *SDS*

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

CAS 67-63-0 EC 200-661-7 SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS05

Corrosive

GHS07

Harmful / Irritant

GHS08

Health Hazard

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

Product Name	Isopropyl Alcohol (IPA)
Product Type	Isopropanol — solvent / industrial chemical
Chemical Family	Isopropanol (secondary alcohol)
CAS No.	67-63-0
EC No.	200-661-7
Intended Use	Industrial / professional use as described on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm suitability for final application before use.
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/isopropyl-alcohol-ipa
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 2; Eye Dam. 1; Eye Irrit. 2; STOT SE 3; Repr. 2; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1



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Signal Word	DANGER
GHS Pictograms	GHS02 (Flammable Liquid) GHS05 (Corrosive) GHS07 (Harmful / Irritant) GHS08 (Health Hazard)

HAZARD STATEMENTS

- H225 — Highly flammable liquid and vapour
- H318 — Causes serious eye damage
- H319 — Causes serious eye irritation
- H335 — May cause respiratory irritation
- H336 — May cause drowsiness or dizziness
- H361 — Suspected of damaging fertility or the unborn child
- H373 — May cause damage to organs through prolonged or repeated exposure
- H400 — Very toxic to aquatic life
- H410 — Very toxic to aquatic life with long lasting effects

PRECAUTIONARY — PREVENTION

- 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.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P331 — Do NOT induce vomiting.
- 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
Isopropyl Alcohol (IPA)	67-63-0200-661-7		100	Flam. Liq. 2; Eye Dam. 1; Eye Irrit. 2; STOT SE 3; Repr. 2; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move person to fresh air immediately. Keep comfortable for breathing. If symptoms persist, seek medical attention.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with soap and water. Seek medical attention if irritation or symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately. If conscious, give water to drink.
Note to Physician	Treat symptomatically based on exposure route and product hazards. IPA is metabolised to acetone; CNS depression may occur with significant exposure.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical powder, CO ₂ , foam, water spray or mist. Alcohol-resistant foam preferred for large spills.
Unsuitable Media	Do not use direct high-pressure water jet — may spread the material and spread fire.
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 or explode when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Prevent contaminated run-off from entering drains and waterways.
Special Procedures	Evacuate non-essential personnel. Cool containers exposed to fire with water spray. Fire may produce irritating or toxic fumes. Use grounded/explosion-proof equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate non-essential personnel. Eliminate ignition sources. Wear PPE as specified in Section 8. Avoid breathing vapours. Use explosion-proof equipment.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Aquatic hazard is classified; notify environmental authorities if significant release occurs.
Containment / Clean-up	Isolate area. Contain spill with sand, earth or inert absorbent material. Collect material into labelled compatible containers for disposal through an approved waste contractor. Ventilate area.
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 adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Keep away from heat, sparks, open flames and hot surfaces. Use only non-sparking tools. Ground/bond containers when transferring.
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Hygiene	Wash hands thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store in original, tightly closed compatible containers. Keep container closed when not in use. Store in a well-ventilated place, away from heat sources and direct sunlight.
Storage Temperature	Ambient (below 30°C recommended). Keep cool.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Halogens. Aluminium chloride (AlCl ₃) under elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals. Store away from ignition sources.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	IPA (CAS 67-63-0): OSHA PEL 400 ppm (8h TWA); NIOSH REL 400 ppm TWA / 500 ppm STEL (15 min); ACGIH TLV 200 ppm TWA / 400 ppm STEL. India: consult local CPCB/factory regulations. Confirm current regional OEL with supplier/regulatory authority.
Engineering Controls	Use closed handling systems and local exhaust ventilation for vapour/aerosol control. Use explosion-proof electrical equipment and ventilation. Provide eyewash stations and safety showers where product is used.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN approved respirator with organic vapour cartridge. Use SCBA for emergency response or oxygen-deficient environments.
Hand / Eye / Skin	Hands: Chemical-resistant gloves (nitrile, butyl or neoprene); select thickness/breakthrough time appropriate for the task. 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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid
Odour	Characteristic alcohol odour (rubbing alcohol)



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Odour Threshold	Not established in reviewed public source text; confirm from supplier COA/SDS
pH	Not applicable (neat); neutral in dilute aqueous solution (~7)
Melting / Freezing Point	-89°C (-128°F) [CORRECTED from source — source value -127.3°F appeared under Flash Point label]
Boiling Point / Range	82.5°C (180.5°F) at 760 mmHg [CORRECTED from source — source value 180.5°F appeared under Auto-ignition Temperature label]
Flash Point	12°C (53°F) closed cup (Tag closed cup) [CORRECTED — source value 750°F under Vapour Density label is actually the auto-ignition temperature; IPA flash point is 12°C per NIOSH/NFPA]
Auto-ignition Temperature	399°C (750°F) [CORRECTED from source — source value 750°F appeared under Vapour Density label]
Flammability Limits	LFL 2.0% / UFL 12.7% v/v in air
Vapour Pressure	33 mmHg at 20°C (68°F); 45.4 mmHg at 24°C (74.8°F) [CORRECTED — source value appeared under Solubility label]
Vapour Density (air = 1)	2.07 [CORRECTED — source value appeared under Log Pow label; heavier than air, will sink]
Relative Density	0.786 g/cm ³ at 20°C [SOURCE FLAG — source did not provide explicit relative density; value from NIOSH/PubChem; confirm from supplier COA]
Solubility in Water	Miscible in all proportions [CORRECTED — source showed vapour pressure data under this label]
Log Pow (Partition Coeff.)	0.05 [CORRECTED — source value 0.05 appeared in unstructured text; source value 2.07 under Log Pow label is actually vapour density]
Evaporation Rate	Greater than ethyl ether (rapid evaporation); relative evaporation rate (nBuAc=1): ~2.8
Viscosity	2.038 mPa·s at 25°C [from source text]
VOC Content	≥100 mg/mL at 22°C (72°F) (NTP, 1992); assess per applicable regional VOC regulations

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, open flames, ignition sources, static discharge, contamination and exposure to incompatible materials.



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Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Halogens. Aluminium chloride (AlCl_3) under elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon monoxide, carbon dioxide and irritating or toxic fumes may be formed in fire or thermal decomposition.
Hazardous Reactions	No hazardous polymerisation. Will not occur under normal conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD_{50} (rat, oral): 5,045 mg/kg (NIOSH/PubChem). Low acute oral toxicity at typical industrial exposure levels. Classified: not acutely toxic orally per GHS cut-offs; however large doses cause CNS depression.
Acute Dermal Toxicity	LD_{50} (rabbit, dermal): >12,800 mg/kg (NIOSH). Skin absorption is low; prolonged contact causes drying and irritation.
Acute Inhalation Toxicity	LC_{50} (rat, 4h inhalation): >72,600 ppm (NIOSH/RTECS). Classified STOT SE 3 — may cause drowsiness, dizziness and CNS depression at high vapour concentrations.
Skin Irritation	May cause mild to moderate skin irritation and defatting with repeated or prolonged contact.
Eye Irritation	Classified Eye Dam. 1 (H318) and Eye Irrit. 2 (H319). Causes serious eye damage / serious eye irritation on direct contact.
Sensitisation	Not classified as a skin or respiratory sensitiser.
Carcinogenicity	Not classified as carcinogenic by IARC, NTP, OSHA or ACGIH.
Mutagenicity	Not classified as a genotoxin/mutagen based on available data.
Reproductive Toxicity	Classified Repr. 2 (H361) — Suspected of damaging fertility or the unborn child. Confirm with current regulatory assessments.
STOT — Repeated Exposure	Classified STOT RE 2 (H373) — May cause damage to organs through prolonged or repeated exposure. Target organ: CNS/liver; verify with supplier toxicological data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Classified Aquatic Acute 1 (H400) and Aquatic Chronic 1 (H410). Very toxic to aquatic life with long lasting effects. LC_{50} (fish, 96h) and EC_{50}
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(Daphnia) values indicate significant acute aquatic hazard; obtain specific values from ECHA/PubChem/supplier SDS.

Persistence / Degradability	IPA is readily biodegradable under aerobic conditions (OECD 301). BOD ₅ /COD ratio indicates rapid breakdown; biodegradation reduces long-term persistence.
Bioaccumulation	Log Pow = 0.05 — low bioaccumulation potential (BCF < 100). Not expected to bioaccumulate in aquatic organisms.
Mobility in Soil	Miscible with water; high mobility in soil and potential to reach groundwater. Prevent release to soil and watercourses.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorized waste contractor in accordance with applicable local regulations. Do not pour down drains, into soil or watercourses. IPA is flammable — observe fire-safe waste collection procedures.
Contaminated Packaging	Empty containers may retain residues and vapours; handle as hazardous waste until cleaned or formally disposed. Return to supplier or dispose through licensed contractor.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and CPCB/SPCB guidance. Assign waste code per actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1219	UN 1219	UN 1219
Proper Shipping Name	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	Isopropanol (Isopropyl Alcohol)
Class	3	3	3
Packing Group	II	II	II
Marine Pollutant	Verify — aquatic hazard classified; confirm IMDG marine pollutant status from supplier/IMDG data	Verify — likely Yes given Aquatic Acute 1/Chronic 1 classification	—



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UN-certified drum required for international transport. Label with Class 3 placard, UN 1219, PG II and product name. Follow applicable ADR/IMDG/IATA requirements in full. Verify current carrier rules before shipment. Marine pollutant status requires confirmation from IMDG schedules.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to GHS/CLP classification listed in Section 2.
EU Directive	Observe applicable workplace chemical, VOC and environmental requirements.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. IPA is on the OSHA Hazard Communication Standard list.
India	Observe applicable Indian MSIHC Rules, 1989; Hazardous Chemicals (Classification, Packaging and Labelling) Rules; Factories Act 1948; Hazardous and Other Wastes Rules, 2016; and CPCB/SPCB pollution control requirements.
TSCA (USA)	Verify TSCA inventory status before US import or distribution. IPA is generally TSCA-listed.
Canada WHMIS / HPR	Classify and label under WHMIS 2015/HPR using Section 2 classification. Canadian sale may require bilingual SDS/label.
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed.
Australia (AICS)	Check AICS inventory status before export or import.
Other Jurisdictions	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and any restrictions applicable in target markets.

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)
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



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