



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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SAFETY DATA SHEET (SDS)

N-Propanol *SDS*

CAS **71-23-8** EC **200-746-9** SIGNAL WORD **DANGER**

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

GHS02

Flammable Liquid

GHS05

Corrosive / Eye
Damage

GHS07

Harmful / Irritant

GHS08

Health Hazard

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

Product Name	N-Propanol (1-Propanol)
Product Type	Solvent / Industrial Chemical
Chemical Family	Primary Alcohol
CAS No.	71-23-8
EC No.	200-746-9
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/n-propanol
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 2; Acute Tox. 4 (oral); Skin Irrit. 2; Eye Dam. 1; Eye Irrit. 2; STOT SE 3 (narcosis); Repr. 2

Signal Word DANGER



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GHS Pictograms

GHS02 (Flammable Liquid) | GHS05 (Eye Damage / Corrosive) |
GHS07 (Harmful / Irritant) | GHS08 (Health Hazard)

HAZARD STATEMENTS

- H225 — Highly flammable liquid and vapour
- H318 — Causes serious eye damage
- H336 — May cause drowsiness or dizziness
- H302 — Harmful if swallowed
- H361 — Suspected of damaging fertility or the unborn child
- H315 — Causes skin irritation
- H319 — Causes serious eye irritation

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.
- 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.



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- 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
N-Propanol (1-Propanol)	71-23-8	200-746-9	100	Flam. Liq. 2 (H225); Acute Tox. 4 oral (H302); Skin Irrit. 2 (H315); Eye Dam. 1 (H318); Eye Irrit. 2 (H319); STOT SE 3 (H336); Repr. 2 (H361)

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air immediately. Keep at rest in a position comfortable for breathing. If breathing is difficult, administer oxygen. Seek medical attention if symptoms persist.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation persists.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention — product causes serious eye damage (H318).
Ingestion	Rinse mouth with water. Do not induce vomiting. Call a POISON CENTER or doctor immediately. Never give anything by mouth to an unconscious person.
Note to Physician	Treat symptomatically based on exposure route and product hazards. May cause CNS depression. Reproductive toxicant (H361) — advise physician if patient is pregnant or planning pregnancy.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam, water spray / fog. Use media appropriate to the surrounding fire.
Unsuitable Media	High-pressure water jet (may spread burning liquid).
Specific Hazards	Highly flammable liquid and vapour (H225). Vapours may form explosive mixtures with air and travel to distant ignition sources. Containers may rupture or explode when exposed to heat. Combustion produces carbon oxides and irritating/toxic fumes.
Protective Equipment	Wear full protective clothing (fire-resistant) and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Cool containers exposed to fire with water spray. Prevent contaminated fire-fighting water from entering drains or watercourses. Use grounded/explosion-proof equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources (no smoking, sparks, open flames). Evacuate non-essential personnel. Use PPE as described in Section 8 (including antistatic). Ensure adequate ventilation.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Inform authorities if significant quantities enter drains or the environment.
Containment / Clean-up	Absorb with inert absorbent (sand, vermiculite, dry earth). Collect in labelled, compatible, sealed containers for disposal via an authorised waste contractor. Flush area with water after clean-up.
Reference to Sections	See Section 8 for PPE; Section 13 for disposal; Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use only outdoors or in a well-ventilated area. Keep away from heat, sparks, open flames and hot surfaces. Use explosion-proof electrical/ventilating equipment. Ground/bond containers to prevent static discharge. Avoid breathing vapours.
Hygiene	Wash hands after handling. Remove and wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.



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Storage Conditions	Store in original, tightly closed compatible containers in a cool, well-ventilated location away from ignition sources.
Storage Temperature	Ambient temperature (below 30 °C recommended); keep cool.
Incompatible Materials	Strong oxidising agents (nitric acid, permanganates, peroxides, chlorine). Concentrated acids, halogens. Reactive with aluminium chloride at elevated temperatures.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	N-Propanol (CAS 71-23-8): ACGIH TLV-TWA 100 ppm (8 h); ACGIH TLV-STEL 400 ppm (15 min). OSHA PEL: not established (refer to NIOSH REL). India: refer to applicable MSIHC/CPCB/factory inspector guidance. Confirm regional OEL with supplier SDS or local authority before use.
Engineering Controls	Use local exhaust ventilation or closed handling systems to keep vapour concentrations below OEL. Use explosion-proof ventilation equipment. Provide eyewash stations and safety showers in the work area.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved organic vapour respirator. Use SCBA for emergency or high-concentration situations.
Hand / Eye / Skin	Hands: chemical-resistant gloves (nitrile, butyl or neoprene; select breakthrough time appropriate to task). Eyes: EN 166/ANSI Z87.1 chemical splash goggles; add face shield for high-splash risk. Body: chemical-resistant apron/clothing and safety footwear; use antistatic PPE where flammable vapours may occur.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	Mild, alcohol-like characteristic odour
Odour Threshold	Not established from reviewed sources
pH	Not applicable (neutral organic liquid; ~7 in dilute aqueous solution)
Melting / Freezing Point	-126.2 °C (-195.2 °F)
Boiling Point / Range	97.2 °C (207 °F) at 760 mmHg
Flash Point	23 °C (closed cup, cc) — confirm with supplier COA



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Auto-ignition Temperature	371 °C (700 °F)
Flammability Limits	LEL 2.1 % v/v; UEL 13.5 % v/v (in air, at 20 °C)
Vapour Pressure	21.0 mmHg at 20 °C (NIOSH); 44.98 mmHg at ~38 °C (USCG)
Vapour Density (air = 1)	2.1
Relative Density	0.800–0.805 at 20 °C (water = 1)
Solubility in Water	Miscible in all proportions
Log Pow (Partition Coeff.)	0.25 (log K _{ow} , peer-reviewed)
Evaporation Rate	Greater than 1 (relative to butyl acetate = 1); moderate evaporation rate
Viscosity	2.256 cP at 20 °C (2.75–2.81 mm ² /s at 20 °C)
VOC Content	Assess per applicable regional VOC regulations; product is a VOC

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Heat, open flames, sparks and other ignition sources. Avoid contamination and mixing with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Reactive with aluminium chloride (AlCl ₃) at elevated temperatures — not a concern under ambient blending or storage conditions.
Hazardous Decomposition	Carbon monoxide, carbon dioxide, and irritating/toxic fumes may be formed under fire conditions.
Hazardous Reactions	Will not occur under normal storage and handling conditions when stored correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD ₅₀ (rat, oral): 1,870 mg/kg (classified Acute Tox. 4; H302 — Harmful if swallowed). Confirm numeric endpoint with supplier SDS.
Acute Dermal Toxicity	LD ₅₀ (rabbit, dermal): > 4,000 mg/kg (not classified for dermal route). Confirm with supplier SDS.
Acute Inhalation Toxicity	LC ₅₀ (rat, 4 h): > 10,000 ppm (not classified for acute inhalation at this threshold). Confirm numeric endpoint with supplier SDS.
Skin Irritation	Classified Skin Irrit. 2 (H315). Causes skin irritation on prolonged or repeated contact.



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Eye Irritation	Classified Eye Dam. 1 (H318) — Causes serious eye damage. Also Eye Irrit. 2 (H319) in some classifications. Seek immediate medical attention on eye contact.
Sensitisation	Not classified as a skin or respiratory sensitiser based on available data.
Carcinogenicity	Not classified as a carcinogen by IARC, NTP, ACGIH or OSHA.
Mutagenicity	Not classified. No evidence of genotoxicity in standard in vitro tests.
Reproductive Toxicity	Classified Repr. 2 (H361) — Suspected of damaging fertility or the unborn child. Based on animal data; human relevance at occupational levels not established. Apply precautionary measures.
STOT Single Exposure	Classified STOT SE 3 (H336) — May cause drowsiness or dizziness. Target organ: central nervous system (CNS narcosis).

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic hazard classification identified in Section 2 based on reviewed data. LC ₅₀ (fish, 96 h): reported values > 100 mg/L in literature (not classified as acutely hazardous to aquatic life). Confirm with ECHA/supplier ecotoxicity data for registration purposes.
Persistence / Degradability	Readily biodegradable. BOD/COD ratio and aerobic biodegradation data indicate rapid breakdown under standard conditions.
Bioaccumulation	Log K _{ow} = 0.25; low bioaccumulation potential. Not expected to bioaccumulate in aquatic organisms.
Mobility in Soil	Highly soluble; may leach to groundwater. Prevent release to soil and watercourses.
Other Adverse Effects	Avoid uncontrolled environmental release. Manage under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of product and contaminated materials through an authorised waste contractor in accordance with applicable local, state and national regulations. Do not pour down drains or into the environment.
Contaminated Packaging	Empty containers may retain flammable residues. Handle as hazardous until cleaned to the satisfaction of applicable standards.



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	Offer for recycling or dispose via authorised route.
Indian Regulations	Follow the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and applicable State Pollution Control Board requirements. Assign waste code per actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1274	UN 1274	UN 1274
Proper Shipping Name	PROPYL ALCOHOL, NORMAL	PROPYL ALCOHOL, NORMAL	Propyl alcohol, normal
Class	3 (Flammable Liquid)	3 (Flammable Liquid)	3 (Flammable Liquid)
Packing Group	II	II	II
Marine Pollutant	No	No	N/A
EmS / Special Provisions	F-E, S-D (verify current ADR)	F-E, S-D (verify current IMDG)	Verify current IATA DGR

UN-certified packaging required for international transport. Label with Class 3 placard, UN 1274, PG II and product name. Verify current ADR/IMDG/IATA requirements with carrier before shipment. Packing Group II confirmed from PubChem/USCG transport references.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled in accordance with EU CLP Regulation (EC) No 1272/2008 and REACH (EC) No 1907/2006 as applicable. REACH registration status: refer to ECHA substance page for CAS 71-23-8.
OSHA (USA)	This SDS is prepared in OSHA HCS/HazCom 2012-aligned 16-section format. Verify TSCA inventory status before US import or distribution.
India	Observe applicable requirements under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 (amended), Factories Act, Environment Protection Act, and Hazardous Waste Management Rules. Comply with CPCB/SPCB environmental discharge limits.
Canada WHMIS / HPR	Classify and label under WHMIS 2015 / HPR using the GHS classification in Section 2. Canadian sale may require bilingual SDS/label and ingredient disclosure at applicable thresholds.



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Other Jurisdictions	Check local inventory status (Australia AICS; China GB/T standards; Middle East GCC GHS requirements) before export or import. Final market placement requires confirmation of local OELs, transport class, waste code and any product restrictions.
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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

- H225 — Highly flammable liquid and vapour
- H302 — Harmful if swallowed
- H315 — Causes skin irritation
- H318 — Causes serious eye damage
- H319 — Causes serious eye irritation
- H336 — May cause drowsiness or dizziness
- H361 — Suspected of damaging fertility or the unborn child