



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-Propyl Acetate *SDS*

CAS **109-60-4** EC **203-686-1** SIGNAL WORD **DANGER**

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

GHS02

Flammable Liquid

GHS07

Harmful / Irritant

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

Product Name	N-Propyl Acetate
Product Type	Propyl Acetate — solvent / industrial chemical
Chemical Family	Ester (Propyl Acetate)
CAS No.	109-60-4
EC No.	203-686-1
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-propyl-acetate
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 2; Eye Irrit. 2; Acute Tox. 4 (inhalation); STOT SE 3

Signal Word **DANGER**



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GHS Pictograms

GHS02 (Flammable Liquid) | GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H225 — Highly flammable liquid and vapour
- H319 — Causes serious eye irritation
- H332 — Harmful if inhaled
- H336 — May cause drowsiness or dizziness
- H335 — May cause respiratory irritation

PRECAUTIONARY — PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground and 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: 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.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P331 — Do NOT induce vomiting.
- P370+P378 — In case of fire: Use appropriate media for extinction.



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- 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-Propyl Acetate	109-60-4	203-686-1	100	Flam. Liq. 2 (H225); Eye Irrit. 2 (H319); Acute Tox. 4 — inhalation (H332); STOT SE 3 (H336, H335)

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 develops or persists.
Eye Contact	Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do — then continue rinsing. Seek immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical advice immediately. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Note to Physician	Treat symptomatically. CNS depression may occur from inhalation or ingestion. Aspiration hazard if vomiting is induced.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical powder, CO ₂ , foam, sand or earth. Water spray or mist may be used to cool containers and disperse vapours.
Unsuitable Media	Do not use a direct high-pressure water jet — may spread the burning liquid.



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Specific Hazards	Highly flammable liquid and vapour (Flash Point ~14 °C). Vapours are heavier than air and may travel to distant ignition sources and flash back. Containers may rupture or explode when heated. Combustion produces carbon monoxide, carbon dioxide and irritating fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Use explosion-proof equipment.
Special Procedures	Evacuate non-essential personnel and isolate the hazard area. Cool fire-exposed containers with water spray. Prevent contaminated run-off from entering drains or waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate non-essential personnel. Eliminate ignition sources (no smoking, sparks, naked flames). Use PPE specified in Section 8. Avoid inhalation of vapours.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify relevant authorities if the substance enters the environment.
Containment / Clean-up	Contain spill with sand, earth or inert absorbent. Collect into labelled, compatible, closed containers for disposal through an approved waste contractor. Ventilate contaminated area.
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 in a well-ventilated area or under local exhaust ventilation. Keep away from heat, sparks, open flames and other ignition sources. Use explosion-proof electrical equipment. Bond and ground containers during transfer. Use non-sparking tools.
Hygiene	Wash hands thoroughly after handling. Remove contaminated clothing before re-use. Do not eat, drink or smoke when using.
Storage Conditions	Store in original, tightly closed, compatible containers (steel drum, carboy). Keep in a cool, dry, well-ventilated area away from direct sunlight and heat sources.
Storage Temperature	Ambient (below 30 °C recommended). Keep cool.
Incompatible Materials	Strong oxidising agents (nitric acid, permanganates, peroxides), concentrated acids, halogens. Reactive with aluminium chloride



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under elevated temperatures.

Segregation

Segregate from food, drink, animal feed and incompatible chemicals.
Store locked up. Inspect containers regularly for leakage or damage.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit

N-Propyl Acetate (CAS 109-60-4): ACGIH TLV-TWA 200 ppm (8 h); ACGIH TLV-STEL 250 ppm (15 min). OSHA PEL: not separately established — apply ACGIH TLV or good industrial hygiene practice. EU OEL (Directive 2000/39/EC indicative): 200 ppm / 849 mg/m³ TWA; 250 ppm / 1061 mg/m³ STEL. Confirm current local / India-specific OEL before use.

Engineering Controls

Provide local exhaust ventilation or process enclosure to control vapour concentrations below OELs. Use explosion-proof ventilation and electrical equipment. Ensure eyewash station and safety shower are accessible.

Respiratory Protection

Where vapour concentrations may exceed OELs or where ventilation is inadequate: use NIOSH/EN-approved half-mask or full-face respirator fitted with organic vapour cartridges (OV/P100). Use SCBA for emergency or confined-space entry.

Hand / Eye / Skin

Gloves: chemical-resistant nitrile, butyl rubber or neoprene; select thickness / breakthrough time for duration of exposure. Eyes/Face: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-resistant apron / coveralls and antistatic safety footwear.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Colourless, mobile liquid

Odour

Pleasant, mild fruity (ester) odour

Odour Threshold

Not established — see PubChem / supplier SDS

pH

Not applicable (neat liquid, non-aqueous)

Melting / Freezing Point

-95 °C (-139 °F) [USCG / NIOSH] — CORRECTED from source (source had this value under Boiling Point)

Boiling Point / Range

~101.6 °C (214.9 °F) at 760 mmHg [USCG / NIOSH] — CORRECTED from source (source had this value under Flash Point)



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Flash Point	~14 °C (57 °F) closed cup [NIOSH / ECHA] — CORRECTED (source value was missing; boiling point was erroneously placed here)
Auto-ignition Temperature	~450 °C (842 °F) [USCG] — CORRECTED from source (source had this value under Vapour Pressure)
Flammability Limits	LEL: 1.7 % v/v; UEL: 8.0 % v/v in air [NIOSH / ECHA] — confirm with supplier SDS
Vapour Pressure	~35.9 mmHg at 20 °C (~67 mmHg at 25 °C / 68 °F) [USCG / NIOSH] — CORRECTED from source (source had this value under Relative Density)
Vapour Density (air = 1)	3.52 [NIOSH / PubChem] — CORRECTED from source (source had this value under Solubility in Water)
Relative Density	0.886 at 20 °C (68 °F) — less dense than water; will float [USCG] — CORRECTED from source (source had this value under Log Pow)
Solubility in Water	~18.9 g/L (1.9 %) at 20 °C; slightly soluble [ECHA / NIOSH] — CORRECTED (source had vapour density value here)
Log Pow (Partition Coeff.)	1.24 [PubChem / ECHA] — CORRECTED from source (source had this value under Viscosity)
Evaporation Rate	~2.0 (relative to n-BuAc = 1) [NIOSH]
Viscosity	0.768 mPa·s at 0 °C; 0.544 mPa·s at 25 °C; 0.406 mPa·s at 50 °C [PubChem] — CORRECTED from source (source had viscosity data under VOC Content / Reactivity)
VOC Content	Assess per applicable regional VOC regulations — typically classified as VOC. Confirm grade-specific value with supplier.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, static discharge, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Halogens. Reactive with aluminium chloride (AlCl ₃) under elevated temperature — not a concern under ambient blending or storage conditions.
Hazardous Decomposition	Carbon monoxide, carbon dioxide and irritating or toxic organic fumes may be formed in fire or thermal decomposition.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions expected under normal storage and handling when product is kept away from



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incompatible materials.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Rat LD ₅₀ : ~9370 mg/kg (classified Acute Tox. 5 or unclassified by some authorities). Low acute oral hazard at typical industrial exposure levels. Confirm with supplier / ECHA CHEM data.
Acute Dermal Toxicity	Not classified for acute dermal toxicity based on available data. See supplier SDS for product-specific data.
Acute Inhalation Toxicity	Rat LC ₅₀ (4 h): >21 mg/L vapour. Classified Acute Tox. 4 (inhalation) — H332 Harmful if inhaled.
Skin Irritation	Mild to moderate irritant on prolonged or repeated contact. Not classified as skin irritant (Skin Irrit. 2) based on available data; defatting may occur.
Eye Irritation	Classified Eye Irrit. 2 — H319: Causes serious eye irritation. Vapour also irritating to eyes.
Sensitisation	No evidence of respiratory or skin sensitisation from available data.
Carcinogenicity	Not classified as carcinogenic. Not listed by IARC, NTP or OSHA as carcinogen.
Mutagenicity	Not classified as mutagenic. No genotoxicity identified in standard test battery.
STOT — Single Exposure	Classified STOT SE 3 — H336 (narcotic effects: drowsiness or dizziness) and H335 (respiratory irritation). CNS depression at high vapour concentrations.
STOT — Repeated Exposure	Not classified based on available data.
Aspiration Hazard	Not classified. However, if ingestion occurs and vomiting is induced, aspiration is possible due to low viscosity.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Acute: Fish (<i>Oncorhynchus mykiss</i>) LC ₅₀ (96 h): ~180 mg/L. Daphnia EC ₅₀ (48 h): ~170 mg/L. Algae ErC ₅₀ : data limited — see ECHA / supplier. Not classified as acute aquatic hazard at current data. Avoid release.
Persistence / Degradability	Readily biodegradable (expected) based on structural analogy with other acetate esters. Confirm with OECD 301 test data from supplier.



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Bioaccumulation	Log Pow 1.24 — low bioaccumulation potential. BCF not expected to be significant.
Mobility in Soil	Slightly soluble in water; moderately mobile in soil. Assess from solubility, adsorption potential and product form. Prevent release to soil and groundwater.
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 authorised waste contractor in accordance with applicable local, state and national hazardous waste regulations. Do not pour down drains or into the environment.
Contaminated Packaging	Empty containers may retain flammable vapour and liquid residues; handle as hazardous until cleaned or certified empty. Dispose via an approved contractor or recycle through certified drum reconditioner.
Indian Regulations	Comply with Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (as amended) and applicable State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1276	UN 1276	UN 1276
Proper Shipping Name	n-PROPYL ACETATE	n-PROPYL ACETATE	n-Propyl acetate
Class	3	3	3
Packing Group	II	II	II
Marine Pollutant	No	No	N/A
EmS (Sea)	—	F-E, S-D	—
Tunnel Restriction (ADR)	D/E	—	—

UN 1276, Class 3 (Flammable Liquid), Packing Group II. Use UN-certified packaging. Apply Class 3 placard and required labels. Verify current ADR, IMDG and IATA rules before each shipment — regulations are updated regularly. Packing Group II confirmed per USCG / ERG.



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SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Registered under REACH (Annex II SDS required). Classified and labelled per EU CLP Regulation (EC) No 1272/2008 and GHS classification in Section 2. EC No. 203–686–1.
OSHA (USA)	Prepared in OSHA HCS / HazCom 2012 aligned 16–section SDS format. Substance listed on TSCA Chemical Substance Inventory.
India	Comply with Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules, 1989 (as amended); Hazardous and Other Wastes (Management) Rules, 2016; Environment Protection Act, 1986; Factories Act, 1948; applicable SPCB regulations.
Canada WHMIS / HPR	Classify and label under WHMIS 2015 / HPR using Section 2 classification. Canadian sale may require bilingual SDS/label and ingredient disclosure.
Other Jurisdictions	Observe applicable GHS–aligned requirements for Middle East / GCC, Australia (AICS), China (GB/T standards). Verify inventory status and local OELs before export or import. 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)
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
- H332 — Harmful if inhaled
- H335 — May cause respiratory irritation



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-
- H336 — May cause drowsiness or dizziness
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