



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
+91 86087 80096 · +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Ethyl Cellosolve *SDS*

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

CAS 110-80-5 EC 203-804-1 SIGNAL WORD DANGER

GHS02

Flammable Liquid

GHS06

Acute Toxicity

GHS07

Harmful / Irritant

GHS08

Health Hazard

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

Product Name	Ethyl Cellosolve
Product Type	Glycol monoethyl ether — solvent / industrial chemical
Chemical Family	Glycol monoethyl ether
CAS No.	110-80-5
EC No.	203-804-1
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/ethyl-cellosolve
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Acute Tox. 4 (oral); Acute Tox. 3 (inhalation); Acute Tox. 4 (dermal);
Repr. 1A; STOT RE 1

Signal Word DANGER



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GHS Pictograms

GHS02 (Flammable Liquid) | GHS06 (Acute Toxicity) | GHS07
(Harmful / Irritant) | GHS08 (Health Hazard)

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H302 — Harmful if swallowed
- H312 — Harmful in contact with skin
- H331 — Toxic if inhaled
- H332 — Harmful if inhaled
- H360 — May damage fertility or the unborn child
- H370 — Causes damage to organs through single exposure
- H372 — Causes damage to organs through prolonged or repeated exposure

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.



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- 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
Ethyl Cellosolve (2-Ethoxyethanol)	110-80-203-5	804-1	100	Flam. Liq. 3; Acute Tox. 4 (oral); Acute Tox. 3 (inhal.); Acute Tox. 4 (dermal); Repr. 1A; STOT RE 1 — H226, H302, H312, H331, H332, H360, H370, H372

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person immediately to fresh air. 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 water and soap for at least 15 minutes. 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 immediate medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately. Show this SDS or the product label to the attending physician.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Reproductive toxicant (H360) and target-organ hazard (H372) — consider referral to occupational physician for significant exposures.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical powder, carbon dioxide (CO ₂), alcohol-resistant foam, water spray or fog. Use media appropriate to surrounding fire conditions.
Unsuitable Media	Do not use a direct high-pressure water jet where it may spread the material.
Specific Hazards	Flammable liquid and vapour (H226). Flammable vapours may form explosive mixtures with air; vapours may travel to ignition sources and flash back. Containers may rupture or explode when heated. Combustion may produce carbon monoxide, carbon dioxide and other toxic fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Use grounded/explosion-proof equipment.
Special Procedures	Evacuate non-essential personnel. Cool containers exposed to fire with water spray. Prevent contaminated fire-fighting run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate the area. Eliminate ignition sources. Wear PPE as detailed in Section 8. Ensure adequate ventilation. Keep unnecessary personnel away.
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses. Notify relevant authorities if release cannot be contained.
Containment / Clean-up	Absorb spill with inert, non-combustible material (e.g. vermiculite, sand, dry earth). Collect into labelled, compatible, sealed containers for disposal through an approved waste contractor. Wash the spillage area with water.
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. Avoid contact with skin, eyes and clothing. Avoid breathing vapours. Use
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	explosion-proof electrical and ventilating equipment. Ground/bond containers and receiving equipment when transferring.
Hygiene	Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store in original, tightly closed compatible containers in a cool, dry, well-ventilated area, away from heat and ignition sources.
Storage Temperature	Store at ambient temperature (below 25°C recommended). Keep away from heat sources.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Halogens. Avoid contact with aluminium chloride at elevated temperature.
Segregation	Segregate from food, drink, animal feed, oxidising agents, and incompatible chemicals. Store locked up (P405).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 110-80-5: OSHA PEL 200 ppm (8h TWA); NIOSH IDLH 500 ppm. Consult local/regional OEL list (EU, UK, India) and use verified supplier SDS values; apply ALARA where no OEL is established.
Engineering Controls	Use closed handling systems or local exhaust ventilation (LEV) to maintain vapour below OEL. Use explosion-proof ventilation and electrical equipment. Provide eyewash stations and safety showers in work areas.
Respiratory Protection	If ventilation is inadequate to control vapour below OEL, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergency or high-concentration situations.
Hand / Eye / Skin	Hands: compatible chemical-resistant gloves (nitrile, butyl, neoprene or PVC); select appropriate breakthrough time for task. Eyes/Face: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield for splash risk. Body: chemical-resistant clothing/apron and safety footwear; use antistatic PPE where flammable vapours may occur.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid
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Odour	Sweet, pleasant, ether-like odour
Odour Threshold	Not established in reviewed public source
pH	Not applicable (pure solvent, not aqueous solution)
Melting / Freezing Point	–94°C (–137°F) [source: NTP 1992; note — source document printed this value in °F under Boiling Point, corrected here]
Boiling Point / Range	135°C (275°F) at 760 mmHg [source: NTP 1992; note — source document printed this value under Flash Point, corrected here]
Flash Point	~40–44°C (~104–111°F) closed cup [literature value; source document did not report flash point directly — verify with supplier COA/SDS]
Auto-ignition Temperature	235°C (455°F) [source: USCG 1999; note — source document printed this value under Vapour Pressure, corrected here]
Flammability Limits	Lower (LEL): ~1.8% v/v; Upper (UEL): ~14% v/v [literature values; verify with supplier SDS]
Vapour Pressure	3.8 mmHg at 20°C (68°F) [NTP 1992; ECHA: 5.31 mmHg at 25°C; note — source document printed this value under Relative Density, corrected here]
Vapour Density (air = 1)	3.1 [relative to air; note — source document printed this value under Solubility in Water, corrected here]
Relative Density	0.931 at 20°C (68°F) [USCG 1999; note — source document printed this value under Log Pow, corrected here]
Solubility in Water	Miscible (≥100 mg/mL at 18°C); fully miscible with water [NTP 1992; note — source document printed this value under Evaporation Rate, corrected here]
Log Pow (Partition Coeff.)	–0.32 to –0.54 [literature range; note — source document printed this value under Viscosity, corrected here]
Evaporation Rate	Slower than diethyl ether; see supplier SDS for grade-specific value
Viscosity	1.84 cP at 25°C [PEER REVIEWED; note — source document printed this value under VOC Content/Reactivity field, corrected here]
VOC Content	See supplier SDS for grade-specific value; assess per applicable regional VOC regulations

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Heat, open flames, sparks, ignition sources, contamination, and 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 organic fumes may be formed in fire or high-temperature decomposition.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Acute Tox. 4 (oral) — H302: Harmful if swallowed. LD ₅₀ (oral, rat): ~2,125 mg/kg (literature). Seek medical attention; do not induce vomiting.
Acute Dermal Toxicity	Acute Tox. 4 (dermal) — H312: Harmful in contact with skin. May be absorbed through skin. Remove contaminated clothing and wash with water.
Acute Inhalation Toxicity	Acute Tox. 3 (inhalation, vapour) — H331: Toxic if inhaled. H332: Harmful if inhaled. Remove to fresh air; seek medical attention.
Skin Irritation	May cause skin irritation on prolonged contact. Remove contaminated clothing; wash skin thoroughly.
Eye Irritation	H320 listed in source; causes eye irritation. Rinse with water for at least 15 minutes and seek medical attention.
Sensitisation	No skin sensitisation data identified in reviewed sources.
Specific Target Organ Toxicity (Single)	H370 — Causes damage to organs through single exposure. Organ(s) affected: verify with authoritative SDS.
Specific Target Organ Toxicity (Repeat)	STOT RE 1 — H372: Causes damage to organs through prolonged or repeated exposure. Known target organ: blood, kidneys, reproductive system.
Reproductive Toxicity	Repr. 1A — H360: May damage fertility or the unborn child. Avoid exposure, particularly for pregnant workers.
Carcinogenicity	Not classified as a carcinogen under GHS/IARC based on reviewed sources.
Mutagenicity	Not classified as a mutagen under GHS based on reviewed sources.
Aspiration Hazard	Not classified.



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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified in Section 2 from reviewed data. Numeric ecotoxicity data (LC ₅₀ /EC ₅₀) not universally verified; avoid environmental release. Obtain supplier or ECHA ecotoxicity data if required for registration or export.
Persistence / Degradability	Ethyl Cellosolve is expected to be biodegradable; however, ready biodegradability should not be assumed without supplier or test confirmation.
Bioaccumulation	Low bioaccumulation potential expected given log Kow of -0.32 to -0.54. Verify BCF data with supplier or ECHA.
Mobility in Soil	Highly water-soluble and mobile in soil; potential for groundwater contamination. 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 hazardous waste contractor in accordance with local, state and national regulations. Do not pour into drains or waterways.
Contaminated Packaging	Empty containers may retain product residues and flammable vapours. Handle as hazardous until cleaned or disposed of by an authorised contractor.
Indian Regulations	Follow the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules and applicable State Pollution Control Board requirements. Assign waste code according to actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1171	UN 1171	UN 1171
Proper Shipping Name	ETHYLENE GLYCOL MONOETHYL ETHER	ETHYLENE GLYCOL MONOETHYL ETHER	ETHYLENE GLYCOL MONOETHYL ETHER
Class	3	3	3



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PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
Packing Group	III	III	III
Marine Pollutant	No	No	N/A

UN 1171 | Class 3 | PG III. Use UN-certified drums labelled with Class 3 placard, UN number, packing group and product name for international shipment. Verify current ADR/IMDG/IATA requirements with carrier before each shipment. EmS (IMDG): F-E, S-D.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Substance is registered under REACH. Classified and labelled according to CLP Regulation (EC) No 1272/2008 as reflected in Section 2. Observe applicable workplace chemical, VOC and environmental requirements. EC No. 203-804-1.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. Verify TSCA inventory status before US import or distribution.
India	Observe applicable MSIHC Rules, Factories Act, Environment Protection Act, Hazardous Waste Rules, and applicable State Pollution Control Board 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.
Other Jurisdictions	Final market placement requires confirmation of local inventory status, OELs, transport class, waste code and restrictions. Regulatory scope limitation applies.

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)
Key Sources	SPC product page; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem (CAS 110-80-5); ECHA; NIOSH/OSHA; CAMEO; NTP 1992; USCG 1999; public supplier SDS references. Accessed June 2026.



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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 with all applicable laws and regulations.

FULL TEXT OF H-STATEMENTS

- H226 — Flammable liquid and vapour
- H302 — Harmful if swallowed
- H312 — Harmful in contact with skin
- H320 — Causes eye irritation
- H331 — Toxic if inhaled
- H332 — Harmful if inhaled
- H360 — May damage fertility or the unborn child
- H370 — Causes damage to organs through single exposure
- H372 — Causes damage to organs through prolonged or repeated exposure