



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)

Ethyl Cellosolve Acetate *SDS*

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

CAS **111-15-9** EC **203-839-2** SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS07

Harmful / Irritant

GHS08

Health Hazard

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

Product Name	Ethyl Cellosolve Acetate
Product Type	Glycol monoethyl ether acetate — solvent / industrial chemical
Chemical Family	Glycol ether acetate
CAS No.	111-15-9
EC No.	203-839-2
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-acetate
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Acute Tox. 4 (oral, dermal, inhal.); STOT SE 3; Repr. 1B; STOT RE 1

Signal Word **DANGER**



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GHS Pictograms

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

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H302 — Harmful if swallowed
- H312 — Harmful in contact with skin
- H332 — Harmful if inhaled
- H336 — May cause drowsiness or dizziness
- H360 — May damage fertility or the unborn child
- H371 — May cause damage to organs
- 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.
- 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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- 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
Ethyl Cellosolve Acetate (2-Ethoxyethyl acetate)	111-15-9	203- 839-2	100	Flam. Liq. 3; Acute Tox. 4; STOT SE 3; Repr. 1B; STOT RE 1 — H226, H302, H312, H332, H336, H360, H371, H372

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. Keep comfortable for breathing. If symptoms persist (dizziness, headache, difficulty breathing), seek immediate medical attention. If unconscious, place in recovery position and call emergency services.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with soap and water for at least 15 minutes. If irritation or redness develops and persists, seek medical attention.
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 thoroughly. Do not induce vomiting unless directed by medical personnel. Seek medical advice immediately. If the person is conscious, give water to drink.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Reproductive toxicity classification is present (Repr. 1B); take detailed exposure history. STOT RE 1 — monitor for organ effects on repeated exposure.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical powder, carbon dioxide (CO ₂), alcohol-resistant foam, fine water spray. Use water spray to cool containers exposed to heat.
Unsuitable Media	High-pressure direct water jet — may spread burning liquid.
Specific Hazards	Flammable liquid (Class 3). Flammable vapours may form explosive mixtures with air and travel to distant ignition sources, then flash back. Containers may rupture or explode when exposed to heat. Combustion produces carbon monoxide, carbon dioxide, and irritating organic vapour/fumes.
Protective Equipment	Wear full protective clothing (bunker gear) and self-contained breathing apparatus (SCBA). Use EN 469 / NFPA-certified fire-fighting suit.
Special Procedures	Evacuate non-essential personnel and secure the area. Cool fire-exposed containers with water. Prevent contaminated fire-water run-off from entering drains, sewers, or watercourses. Use grounded/explosion-proof equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate ignition sources. Wear full PPE as per Section 8. Ensure adequate ventilation. Keep upwind. Evacuate non-essential personnel from the area.
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses. If spillage reaches a drain or watercourse, notify the relevant environmental authority immediately.
Containment / Clean-up	Contain the spill using sand, earth, or other inert absorbent material. Collect absorbed material into labelled, compatible, sealed containers for disposal through an approved hazardous-waste contractor. Do not flush to drain.
Reference to Sections	See Section 8 for PPE details. See Section 13 for disposal guidance. See Section 15 for applicable regulatory requirements.



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SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use adequate local exhaust ventilation and/or general dilution ventilation to control vapour levels below OEL. Avoid skin, eye, and clothing contact. Avoid breathing vapours. Use explosion-proof electrical and ventilating equipment. Bond and ground containers when transferring to prevent static discharge.
Hygiene	Wash hands 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 (steel, polyethylene, HDPE). Store in a cool, dry, well-ventilated area away from heat sources, direct sunlight, and ignition sources. Inspect containers regularly for leaks or damage.
Storage Temperature	Ambient (below 30°C recommended). Follow supplier instructions if specified.
Incompatible Materials	Strong oxidising agents (e.g. nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Halogens. Aluminium chloride at elevated temperatures.
Segregation	Segregate from food, drink, animal feed, and incompatible chemicals. Keep away from sources of ignition.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 111-15-9 — OSHA PEL: 100 ppm (8h TWA); ACGIH TLV-TWA: 5 ppm (skin notation, Repr. concern); EU OEL: verify per Directive 2017/164/EU; India: verify under Factories Act / CPCB schedule; use ALARA/good industrial hygiene where no OEL is established. Confirm current regional OEL before use.
Engineering Controls	Closed handling system and/or local exhaust ventilation (LEV) at point of emission. Use explosion-proof ventilation and grounding/bonding for flammable liquid transfer. Provide eyewash stations and safety showers in work areas.
Respiratory Protection	Where vapour concentrations may exceed OEL or in confined spaces, use a NIOSH/CE-approved air-purifying respirator with organic vapour cartridge. Use supplied-air respirator (SCBA or SAR) for emergencies or oxygen-deficient environments.



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Hand / Eye / Skin	Gloves: chemical-resistant nitrile, butyl rubber, or neoprene; verify breakthrough time for task duration. Eyes: EN 166/ANSI Z87.1 chemical-splash safety goggles; add face shield for splash risk. Body: chemical-resistant apron/suit and safety footwear; use antistatic clothing where flammable vapours may be present.
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless liquid with a mild ester-like odour
Odour	Mild ester-like odour; becomes objectionable at high concentrations
Odour Threshold	Not established in reviewed public sources
pH	Not applicable (non-aqueous liquid)
Melting / Freezing Point	-61.7 °C (-79.1 °F) [NTP, 1992]
Boiling Point / Range	156.4 °C (313 °F) at 760 mmHg [NTP, 1992]
Flash Point	~47 °C (closed cup) [literature; verify from supplier CoA — source SDS value not reliable]
Auto-ignition Temperature	~379 °C (715 °F) [USCG, 1999]
Flammability Limits	LEL ~1.7% v/v; UEL ~13% v/v [literature; confirm from supplier SDS]
Vapour Pressure	1.2 mmHg at 20 °C (68 °F); 3.8 mmHg at 30 °C (86 °F) [NTP, 1992]
Vapour Density (air = 1)	4.72 — heavier than air; vapour will sink and accumulate at low points [NTP, 1992]
Relative Density	0.974 g/cm ³ at 20 °C (68 °F) — less dense than water; will float [USCG, 1999]
Solubility in Water	≥100 mg/mL at 19 °C (66 °F) [NTP, 1992] — partially to fully miscible
Log Pow (Partition Coeff.)	0.24 [peer-reviewed]
Evaporation Rate	Moderate; slower than ethyl acetate (refer to supplier SDS for grade-specific value)
Viscosity	1.32 cP at 20 °C [peer-reviewed]
VOC Content	~100% VOC (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, ignition sources, direct sunlight, contamination with incompatible materials, and static discharge.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Halogens. Aluminium chloride (AlCl ₃)



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at elevated temperature — not a concern in ambient blending or storage.

Hazardous Decomposition	In fire: carbon monoxide (CO), carbon dioxide (CO ₂), and irritating or toxic organic vapours and fumes.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Classified Acute Tox. 4 (H302 — harmful if swallowed). Numeric LD ₅₀ (oral, rat): verify from supplier/ECHA; literature values ~2.9 g/kg (rat).
Acute Dermal Toxicity	Classified Acute Tox. 4 (H312 — harmful in contact with skin). Numeric LD ₅₀ (dermal): confirm from supplier SDS.
Acute Inhalation Toxicity	Classified Acute Tox. 4 (H332 — harmful if inhaled). LC ₅₀ (inhalation, rat, 4h): confirm from supplier SDS.
Skin Irritation	May cause mild to moderate skin irritation on prolonged or repeated contact.
Eye Irritation	May cause eye irritation. Classified STOT SE 3 (H336).
Sensitisation	Not classified as a skin or respiratory sensitiser based on available data.
Carcinogenicity	Not classified as carcinogenic. No IARC/NTP/ACGIH A1/A2 designation identified.
Mutagenicity	Not classified as a genotoxin/mutagen based on available data.
Reproductive Toxicity	Classified Repr. 1B (H360 — may damage fertility or the unborn child). Avoid any exposure during pregnancy. Medical surveillance required.
Specific Target Organ (Single)	Classified STOT SE 3 (H336 — may cause drowsiness or dizziness). Also H371 — may cause damage to organs (single exposure).
Specific Target Organ (Repeat)	Classified STOT RE 1 (H372 — causes damage to organs through prolonged or repeated exposure). Target organ: kidneys, haematopoietic system (confirm with supplier data).
Aspiration Hazard	Not classified.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic toxicity classification identified in Section 2 from reviewed data. Numeric ecotoxicity data (LC ₅₀ /EC ₅₀) not universally
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	verified from public sources. Avoid release to aquatic environment.
Persistence / Degradability	Expected to be biodegradable (glycol ether ester). Verify ready biodegradability from supplier or ECHA data before assuming. Do not release to environment.
Bioaccumulation	Low bioaccumulation potential based on log Kow = 0.24 (below threshold of 3.0). Verify BCF from supplier SDS if needed for registration.
Mobility in Soil	Moderate to high mobility in soil due to partial water miscibility and low Kow. 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/residues through an authorised hazardous-waste contractor in accordance with local, state, and national regulations. Do not pour down drains or into watercourses.
Contaminated Packaging	Empty containers may retain residues and flammable vapours; handle as hazardous until cleaned or disposed. Purge/decontaminate before returning to supplier or recycling. Assign waste code according to actual process and applicable regulation.
Indian Regulations	Follow applicable requirements under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and relevant CPCB/SPCB schedules. Obtain manifest and consignment note for hazardous waste movement.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1172	UN 1172	UN 1172
Proper Shipping Name	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE
Class	3 (Flammable Liquid)	3 (Flammable Liquid)	3 (Flammable Liquid)
Packing Group	III	III	III
Marine Pollutant	No	No	—



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Packaging: UN-certified drum/container appropriate for Class 3 PG III liquid. Label with Class 3 placard, UN 1172, PG III, and product name. Verify current ADR/IMDG/IATA requirements with carrier before shipment. EmS (IMDG): F-E, S-E.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled in accordance with EU CLP Regulation (EC) No 1272/2008 as per Section 2. Observe REACH requirements (Regulation (EC) No 1907/2006) for registration, SVHC screening, and downstream-user obligations. Check Annex XIV / XVII for restrictions.
OSHA (USA)	Prepared in OSHA HCS/HazCom 2012 (29 CFR 1910.1200) aligned 16-section SDS format. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable requirements under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 (as amended); Factories Act, 1948; Environment Protection Act, 1986; Hazardous Waste Rules, 2016; and CPCB/SPCB orders.
Other Jurisdictions	Canada: classify/label under WHMIS 2015/HPR; Canadian sale may require bilingual SDS/label. China: comply with GB/T SDS and GHS classification requirements. Australia: check AICS inventory status before import/export. GCC/Middle East: apply GHS-aligned local requirements. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code, and applicable 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

- H226 — Flammable liquid and vapour



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- H312 — Harmful in contact with skin
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- H332 — Harmful if inhaled
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- H336 — May cause drowsiness or dizziness
-
- H360 — May damage fertility or the unborn child
-
- H371 — May cause damage to organs (single exposure)
-
- H372 — Causes damage to organs through prolonged or repeated exposure
-