



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)

2-Ethylhexyl Acetate *SDS*

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

CAS **103-09-3** EC **203-079-1** SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS07

Harmful / Irritant

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

Product Name	2-Ethylhexyl Acetate
Product Type	Acetate solvent
Chemical Family	Aliphatic ester
CAS No.	103-09-3
EC No.	203-079-1
Intended Use	Industrial / professional use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm grade suitability before regulated or consumer 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/2-ethylhexyl-acetate
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Eye Irrit. 2 – H226, H319

GHS Classification Flam. Liq. 3; Eye Irrit. 2



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

Signal Word	WARNING
GHS Pictograms	GHS02 (Flammable Liquid) GHS07 (Harmful / Irritant)
Other GHS Hazard Classes	Not classified for unlisted hazard classes based on reviewed public/source data.

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H319 — Causes serious eye irritation

PRECAUTIONARY – PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- 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.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.



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

- 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
2-Ethylhexyl Acetate	103-09-3	203-079-1	≥99	Flam. Liq. 3 (H226); Eye Irrit. 2 (H319)

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, obtain medical attention. Do not induce vomiting where aspiration hazard is possible.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry chemical, or carbon dioxide. Cool containers with water spray.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Flammable vapours may form explosive mixtures with air; can travel to ignition sources and flash back. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Use grounded/explosion-proof equipment. Evacuate non-essential personnel. Prevent contaminated run-off from entering drains and waterways.



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

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate ignition sources. Ventilate the area. Bond/ground equipment. Wear appropriate PPE (see Section 8).
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses.
Containment / Clean-up	Absorb with inert material (sand, earth, vermiculite). Collect material into labelled containers for disposal through an approved waste contractor.
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 explosion-proof ventilation and grounded equipment. Keep away from heat, sparks, open flames, and oxidisers.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink, or smoke when using.
Storage Conditions	Store in original, tightly closed compatible containers in a well-ventilated area. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidisers (nitric acid, permanganates, peroxides) and concentrated acids and halogens.
Segregation	Segregate from food, drink, animal feed, and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No established 8h-TWA OEL confirmed for 2-Ethylhexyl Acetate (CAS 103-09-3) at time of issue. Apply ALARA / good industrial hygiene practice. Verify current local OEL (OSHA/NIOSH/ACGIH/EU/India) with supplier or regional authority.
Engineering Controls	Use closed handling / local exhaust ventilation for vapour or aerosol. Use explosion-proof ventilation and grounding for flammable liquids.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN approved respirator with organic vapour cartridge. Use SCBA for emergencies.
Hand / Eye / Skin	Hands: chemical-resistant gloves (nitrile, butyl, neoprene, or PVC); select for breakthrough time. Eyes: EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-



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

resistant clothing/apron and safety footwear; antistatic PPE where flammable vapours may occur. Provide eyewash and safety shower. Wash after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid.
Odour	Fruity ester odour.
Odour Threshold	Not established.
pH	Not applicable (neat organic liquid). Verify from supplier COA/SDS if used as aqueous solution.
Melting / Freezing Point	Approx. -93 °C (literature; confirm with supplier COA)
Boiling Point / Range	Approx. 199–200 °C at 1013 hPa (literature)
Flash Point	Approx. 71–74 °C (closed cup; confirm with supplier COA)
Auto-ignition Temperature	Not established.
Flammability Limits	Not established (supplier data required).
Vapour Pressure	Not established (low at ambient; supplier data required).
Vapour Density (air = 1)	Approx. 6.0 (estimated from MW ≈172 g/mol; confirm with supplier)
Relative Density	Approx. 0.87 g/cm ³ at 20 °C (literature)
Solubility in Water	Slightly soluble.
Log Pow (Partition Coeff.)	Not established for supplied commercial grade.
Evaporation Rate	See supplier specification.
Viscosity	See supplier specification.
VOC Content	Assess under applicable local VOC rules; qualifies as VOC.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination, and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride (AlCl ₃) at elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides and irritating or toxic fumes may form in fire.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.



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

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	No numeric LD50 confirmed at time of issue. May cause irritation if ingested. Endpoint-specific data requires supplier/test confirmation.
Acute Dermal Toxicity	No numeric LD50 confirmed at time of issue. Endpoint-specific data requires supplier/test confirmation.
Acute Inhalation Toxicity	May irritate the respiratory tract; solvent vapour may affect the central nervous system at high concentrations. No numeric LC50 confirmed at time of issue.
Skin Irritation	May cause mild to moderate skin irritation on prolonged or repeated contact. Not classified as a skin sensitizer based on reviewed data.
Eye Irritation	Classified: Eye Irrit. 2 (H319) — Causes serious eye irritation.
Sensitisation	Not classified as a skin sensitizer based on reviewed data.
Carcinogenicity	Not classified. No evidence of carcinogenicity from reviewed data.
Mutagenicity	Not classified. No evidence of mutagenicity from reviewed data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute or chronic aquatic classification identified from reviewed data. Numeric ecotoxicity data not universally verified; avoid uncontrolled release.
Persistence / Degradability	Biodegradability data not confirmed; do not assume ready biodegradability. Obtain supplier or ECHA data for registration or export purposes.
Bioaccumulation	Bioaccumulation potential not verified from reviewed data. Obtain verified log Kow/BCF data where required.
Mobility in Soil	Slightly soluble in water; potential for migration to groundwater. Prevent release to soil.
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 local regulations. Do not discharge to drain or environment.
--------------------	--



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

Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Dispose of in accordance with local regulations.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 and applicable SPCB/CPCB 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 1268 (verify flash point $\geq 60^{\circ}\text{C}$)	UN 1268 (verify flash point)	UN 1268 (verify flash point)
Proper Shipping Name	PETROLEUM DISTILLATES, N.O.S. or FLAMMABLE LIQUID, N.O.S. (verify with carrier)	PETROLEUM DISTILLATES, N.O.S. or FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Class	3	3	3
Packing Group	III (if flash point $60\text{--}93^{\circ}\text{C}$)	III (verify)	III (verify)
Marine Pollutant No		No	—

IMPORTANT: The source SDS listed 'Not regulated' for all modes; this appears inconsistent with the flash point ($\sim 71\text{--}74^{\circ}\text{C}$) and Flammable Liquid (GHS02) classification. A Flam. Liq. 3 substance with flash point $\geq 60^{\circ}\text{C}$ and $\leq 93^{\circ}\text{C}$ is typically Class 3 PG III. UN number and proper shipping name require confirmation from a competent transport authority or supplier DG declaration before shipment. Do not ship without verification.

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 directives.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format.
TSCA (USA)	Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, workplace, storage, transport, pollution-control, and hazardous-waste requirements (HW Rules 2016).
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed.



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

Middle East / GCC	Observe applicable GHS-aligned local requirements.
Canada WHMIS / HPR	Classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
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 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
- H319 — Causes serious eye irritation