



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)

Butyl Cellosolve Acetate *SDS*

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

CAS 112-07-2 EC 203-933-3 SIGNAL WORD DANGER

GHS07

Harmful / Irritant

GHS08

Health Hazard

GHS09

Environmental Hazard

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

Product Name	Butyl Cellosolve Acetate
Product Type	Glycol monobutyl ether acetate — industrial chemical
Chemical Family	Glycol ether acetate
CAS No.	112-07-2
EC No.	203-933-3
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/butyl-cellosolve-acetate
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Acute Tox. 4 (oral, dermal, inhalation); Flam. Liq. 4; STOT SE 1; STOT RE 2; Aquatic Chronic 3



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Signal Word	DANGER
GHS Pictograms	GHS07 (Harmful / Irritant) GHS08 (Health Hazard) GHS09 (Environmental Hazard)

HAZARD STATEMENTS

- H302 — Harmful if swallowed
- H312 — Harmful in contact with skin
- H332 — Harmful if inhaled
- H227 — Combustible liquid
- H370 — Causes damage to organs through single exposure (central nervous system)
- H373 — May cause damage to organs through prolonged or repeated exposure
- H412 — Harmful to aquatic life with long lasting effects

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
Butyl Cellosolve Acetate (2-Butoxyethyl acetate)	112-07-2	203-933-3	100	Acute Tox. 4 (oral/dermal/inhal.); Flam. Liq. 4; STOT SE 1; STOT RE 2; Aquatic Chronic 3

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 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 medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice immediately.
Note to Physician	Treat symptomatically based on exposure route and product hazards. STOT SE 1 — causes damage to organs (CNS) via single exposure; STOT RE 2 — repeated exposure risk. Consider activated charcoal for significant ingestion under medical supervision.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical powder, CO ₂ , foam, or water spray. Use media appropriate to surrounding fire conditions.
Unsuitable Media	Avoid direct high-pressure water jet where it may spread the burning material.
Specific Hazards	Combustible liquid (flash point 71 °C). Fire may produce toxic or irritating fumes including carbon monoxide and carbon dioxide. Containers may rupture or explode when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Prevent contaminated fire-fighting run-off from entering drains and waterways. Cool fire-exposed containers with water spray from a safe distance.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate area. Eliminate ignition sources. Wear PPE as specified in Section 8. Ensure adequate ventilation.
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses. Notify relevant authorities if environmental contamination occurs.
Containment / Clean-up	Contain spill with sand, earth, or other non-combustible absorbent material. Collect into labelled, compatible containers for disposal through an approved waste contractor. Avoid generating dusts or vapours.
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 adequate ventilation. Avoid breathing vapours. Avoid skin and eye contact. Bond and ground containers when transferring. Keep away from heat, sparks, and open flames.
Hygiene	Wash hands and exposed skin thoroughly after handling. Remove 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, dry, well-ventilated area away from heat sources and direct sunlight. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (unless supplier instructions specify otherwise). Keep cool.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids. Aluminium chloride under elevated temperature.
Segregation	Segregate from food, drink, animal feed, and incompatible chemicals. Store locked up (P405).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 112-07-2 — No universally established OEL found. Apply ALARA / good industrial hygiene practice. Verify current OSHA PEL / NIOSH REL / ACGIH TLV / EU IOELV / national OEL before use. Confirm with supplier SDS.
Engineering Controls	Use closed systems and/or local exhaust ventilation (LEV) to control vapour concentrations. Use explosion-proof ventilation and earthing/bonding for flammable liquid handling.
Respiratory Protection	If LEV is inadequate, use NIOSH/EN 14387-approved organic vapour respirator cartridge. Use SCBA for emergency response or confined-space entry.
Hand / Eye / Skin	Gloves: chemical-resistant nitrile, butyl rubber, or neoprene; select based on breakthrough time and task duration. Eyes: EN 166/ANSI Z87.1 chemical splash goggles; add face shield where splash risk exists. Body: chemical-resistant apron and safety footwear; antistatic PPE where flammable vapours may occur. Provide eyewash station and safety shower in work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	Fruity, ester-like
Odour Threshold	Not established in reviewed public source
pH	Not applicable (neat liquid solvent; not an aqueous solution)
Melting / Freezing Point	-63.5 °C / -82.3 °F (USCG, 1999)



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Boiling Point / Range	192 °C / 378 °F at 760 mmHg (USCG, 1999)
Flash Point	71 °C / 160 °F — closed cup (USCG, 1999)
Auto-ignition Temperature	340 °C / 645 °F (USCG, 1999)
Flammability Limits	See PubChem / supplier SDS for LEL/UEL data
Vapour Pressure	0.30 mmHg at 20 °C (NIOSH, 2024); also cited as 0.37 mmHg
Vapour Density (air = 1)	5.5 (PEER REVIEWED — MW ≈ 160.2 g/mol)
Relative Density	0.942 at 20 °C / 68 °F (USCG, 1999) — less dense than water
Solubility in Water	1.5 % w/w (NIOSH, 2024)
Log Pow (Partition Coeff.)	1.51
Evaporation Rate	See supplier SDS for grade-specific value
Viscosity	See supplier SDS for grade-specific value
VOC Content	Assess per applicable regional VOC regulations

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination, and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and 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 form in fire conditions.
Hazardous Reactions	No hazardous polymerisation. No known hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Acute Tox. 4 (oral) — Harmful if swallowed (H302). Numeric LD ₅₀ data requires supplier/test confirmation.
Acute Dermal Toxicity	Acute Tox. 4 (dermal) — Harmful in contact with skin (H312). Numeric LD ₅₀ data requires supplier/test confirmation.
Acute Inhalation Toxicity	Acute Tox. 4 (inhalation) — Harmful if inhaled (H332). Numeric LC ₅₀ data requires supplier/test confirmation.
Skin Irritation	May cause skin irritation. Confirm specific endpoint data from supplier SDS.



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Eye Irritation	May cause eye irritation. Confirm specific endpoint data from supplier SDS.
Sensitisation	No skin sensitisation data identified in reviewed sources. Confirm from supplier SDS.
Carcinogenicity	Not classified as carcinogen under GHS in primary classification (Section 2). Note: H351 (Suspected of causing cancer) appears in source audit notes with verification required — do not apply without supplier/regulatory confirmation.
Mutagenicity	Not classified for mutagenicity in reviewed sources. Confirm from supplier SDS.
Specific Target Organ (Single)	STOT SE 1 — Causes damage to organs (central nervous system) through single exposure (H370).
Specific Target Organ (Repeat)	STOT RE 2 — May cause damage to organs through prolonged or repeated exposure (H373).
Reproductive Toxicity	Not classified. Confirm from supplier SDS.
Aspiration Hazard	Not classified. Confirm from supplier SDS.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Classified Aquatic Chronic 3 (H412). Acute hazard per H402 noted in source. Numeric LC ₅₀ /EC ₅₀ /NOEC values require supplier / ECHA / PubChem confirmation.
Persistence / Degradability	Biodegradability status not confirmed in reviewed sources. Do not assume ready biodegradability; obtain supplier or ECHA data.
Bioaccumulation	Log Pow 1.51 — low bioaccumulation potential. Verify BCF from supplier / ECHA where required.
Mobility in Soil	Moderately soluble (1.5 % w/w); potential for leaching to groundwater. Prevent uncontrolled release to soil.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local / national regulations. Do not pour down drains or into the environment.
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Contaminated Packaging	Empty containers may retain residues; handle as hazardous until professionally cleaned or disposed of through an approved contractor.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (amended) and applicable SPCB / CPCB requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated
Marine Pollutant	No	No	—

Flash point 71 °C places this substance above the 60 °C threshold for Class 3 flammable liquids under most international transport regulations; hence 'Not regulated' as a dangerous good. VERIFY current transport classification with carrier/freight forwarder before shipment — some jurisdictions (e.g. USA DOT combustible liquid) or specific formulations may impose additional requirements. Use approved, compatible, labelled containers.

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. Observe applicable workplace chemical, VOC, and environmental directives.
OSHA (USA)	Prepared in OSHA HCS/HazCom 2012-aligned 16-section SDS format.
India	Observe applicable Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules 1989 (amended), Factories Act, Environmental Protection Act, Hazardous Waste Rules, and CPCB/SPCB 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)	Apply applicable GB/T SDS and classification requirements where marketed in China.



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TSCA (USA)	Verify TSCA inventory status before US import or distribution.
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. Regulatory scope is subject to jurisdiction-specific requirements.

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

- H227 — Combustible liquid
- H302 — Harmful if swallowed
- H312 — Harmful in contact with skin
- H332 — Harmful if inhaled
- H370 — Causes damage to organs through single exposure
- H373 — May cause damage to organs through prolonged or repeated exposure
- H402 — Harmful to aquatic life
- H412 — Harmful to aquatic life with long lasting effects