



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
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admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Butanol (NBA) *SDS*

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

CAS **71-36-3** EC **200-751-6** SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS05

Serious Eye Damage

GHS07

Harmful / Irritant

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

Product Name	Butanol (NBA)
Product Type	Alcohol solvent
Chemical Family	Primary alcohol
CAS No.	71-36-3
EC No.	200-751-6
Intended Use	Solvent and chemical intermediate.
Restrictions on Use	Industrial / professional use only.
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/butanol-nba
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Acute Tox. 4 (oral); Skin Irrit. 2; Eye Dam. 1; STOT SE 3

Flammable Liquids	Category 3 — H226: Flammable liquid and vapour
Acute Toxicity (Oral)	Category 4 — H302: Harmful if swallowed
Skin Irritation	Category 2 — H315: Causes skin irritation



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Eye Damage	Category 1 — H318: Causes serious eye damage
STOT Single Exposure	Category 3 — H335: May cause respiratory irritation; H336: May cause drowsiness or dizziness
Signal Word	DANGER
GHS Pictograms	GHS02 (Flame) GHS05 (Corrosion) GHS07 (Exclamation Mark)
Other Hazard Classes	Not classified for unlisted hazard classes based on reviewed public/source data.

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H302 — Harmful if swallowed
- H315 — Causes skin irritation
- H318 — Causes serious eye damage
- H335 — May cause respiratory irritation
- H336 — May cause drowsiness or dizziness

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.



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- 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.
- 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
Butanol (NBA) — n-	71-36-3	200-751-100		Flam. Liq. 3; Acute Tox. 4 (oral); Skin Irrit. 2; Eye
Butanol		6		Dam. 1; STOT SE 3

Percentages are by weight. Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. 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. Continue rinsing. Seek immediate medical attention.
Ingestion	Rinse mouth. 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.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry chemical, carbon dioxide or water fog.
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Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Flammable vapours may form explosive mixtures with air; vapours 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	Evacuate non-essential personnel. Use grounded/explosion-proof equipment. Prevent contaminated run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources. Ventilate area. Wear appropriate PPE (see Section 8).
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Absorb spill with inert material (sand, earth, vermiculite). Collect material into labelled containers for disposal through an approved waste contractor. Prevent entry into drains.
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	Ground/bond containers. Use local exhaust ventilation. Avoid inhalation of vapours. Keep away from all ignition sources.
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. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidisers (nitric acid, chlorine, permanganates, peroxides); concentrated acids and halogens.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.



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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 71-36-3 — Use verified local OEL/STEL if established (OSHA/NIOSH/ACGIH/EU/India); otherwise apply ALARA / good industrial hygiene practice. Supplier/regional OEL confirmation required.
Engineering Controls	Use closed handling systems or local exhaust ventilation for vapour control. Use explosion-proof ventilation and grounding for flammable liquid handling.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergencies or oxygen-deficient atmospheres.
Hand / Eye / Skin	Hands: chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate); select breakthrough time appropriate for task. Eyes/Face: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash or pressure-transfer risk. Body: chemical-resistant clothing/apron and safety footwear; antistatic PPE where flammable vapours may occur. Provide eyewash station and safety shower.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Alcohol-like odour
Odour Threshold	Not established
pH	Not applicable (neat liquid; verify pH from supplier COA/SDS for aqueous solutions)
Melting / Freezing Point	-89 °C
Boiling Point / Range	117.7 °C
Flash Point	35 °C (closed cup)
Auto-ignition Temperature	343 °C
Flammability Limits	LEL 1.4% v/v UEL 11.2% v/v
Vapour Pressure	6.7 hPa at 20 °C
Vapour Density (air = 1)	2.6
Relative Density	0.81 at 20 °C
Solubility in Water	Partly miscible
Log Pow (Partition Coeff.)	0.88
Evaporation Rate	Moderate



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Viscosity	Low viscosity liquid
VOC Content	100% VOC

SECTION 10 STABILITY AND REACTIVITY

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

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Harmful if swallowed (Acute Tox. 4 — H302). Numeric LD ₅₀ data requires supplier/test confirmation.
Acute Dermal Toxicity	Not classified. Endpoint data requires supplier/test confirmation.
Acute Inhalation Toxicity	May cause respiratory irritation and drowsiness or dizziness (STOT SE 3 — H335/H336). Numeric LC ₅₀ data requires supplier/test confirmation.
Skin Irritation	Causes skin irritation (Skin Irrit. 2 — H315).
Eye Irritation	Causes serious eye damage (Eye Dam. 1 — H318).
Sensitisation	Not classified as a skin or respiratory sensitiser based on reviewed data.
Carcinogenicity	Not classified. Endpoint-specific assessment; see Section 2 and Section 3.
Mutagenicity	Not classified. Endpoint-specific assessment; see Section 2 and Section 3.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified in Section 2 from reviewed data. Numeric ecotoxicity data not universally verified; avoid
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	environmental release. Obtain supplier/ecotoxicity data if required for registration or export.
Persistence / Degradability	Use supplier, ECHA or PubChem data where available. Ready biodegradability not assumed without verified data.
Bioaccumulation	Log Pow 0.88 suggests low bioaccumulation potential. Verify with log Kow/BCF data from supplier.
Mobility in Soil	Partly miscible in water; assess from solubility and adsorption potential. 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 local regulations.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Assign waste code according to actual process and local regulation.
Indian Regulations	Follow applicable Indian MSIHC Rules, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, and State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 1120	UN 1120	UN 1120
Proper Shipping Name	BUTANOLS	BUTANOLS	BUTANOLS
Class	3	3	3
Packing Group	III	III	III
Marine Pollutant	No	No	—
Tunnel Restriction (ADR)	D/E	—	—
EmS (IMDG)	—	F-E, S-D	—

Packaging: approved compatible container appropriate to the product. UN-certified drum required for international transport. Drum must be labelled with Class 3 placard, UN 1120, PG III, and product name. Verify current carrier rules before shipment.



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SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled according to GHS/CLP classification listed in Section 2. Observe REACH requirements where applicable.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, workplace chemical regulations, VOC and environmental requirements.
Other Jurisdictions	China: use applicable GB/T SDS and classification requirements where marketed. GCC/Middle East: observe applicable GHS-aligned local requirements. Canada WHMIS 2015/HPR: classify/label using Section 2 classification; bilingual SDS/label and ingredient disclosure may be required. Australia (AICS): check inventory status 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)
Key Sources	SPC product page; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem, ECHA, NIOSH/OSHA, CAMEO and public supplier SDS/transport references. Accessed June 2026.
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
- H302 — Harmful if swallowed
- H315 — Causes skin irritation



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