



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 Acrylate Monomer (BAM) *SDS*

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

CAS 141-32-2 EC 205-480-7 SIGNAL WORD DANGER

GHS02

Flammable Liquid

GHS07

Irritant / Sensitiser

GHS09

Environmental Hazard

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

Product Name	Butyl Acrylate Monomer (BAM)
Product Type	Acrylate monomer
Chemical Family	Acrylate ester
CAS No.	141-32-2
EC No.	205-480-7
Intended Use	Monomer for polymers, coatings and resins.
Restrictions on Use	Industrial / professional use only; polymerization control required.
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-acrylate-monomer-bam
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; STOT SE 3; Aquatic Chronic 2



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Flammable Liquids	Category 3 — H226: Flammable liquid and vapour
Skin Irritation	Category 2 — H315: Causes skin irritation
Eye Irritation	Category 2 — H319: Causes serious eye irritation
Skin Sensitisation	Category 1 — H317: May cause an allergic skin reaction
STOT Single Exposure	Category 3 — H335: May cause respiratory irritation
Aquatic Hazard (Chronic)	Category 2 — H411: Toxic to aquatic life with long lasting effects
Signal Word	WARNING
GHS Pictograms	GHS02 (Flame) GHS07 (Exclamation Mark) GHS09 (Environment)

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction
- H319 — Causes serious eye irritation
- H335 — May cause respiratory irritation
- H411 — Toxic to aquatic life with long lasting effects

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.



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- 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.
- 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 Acrylate Monomer (BAM)	141-32-2	205- 480-7	100	Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; STOT SE 3; Aquatic Chronic 2

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air immediately. If breathing is difficult, administer oxygen. Seek medical attention if symptoms (dizziness, respiratory irritation) 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 sensitisation symptoms develop or 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 unless directed by medical personnel. Seek medical advice immediately.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Risk of respiratory sensitisation; monitor accordingly.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical, carbon dioxide (CO ₂), water fog/mist.
Unsuitable Media	Direct high-pressure water jet — may spread the material.
Specific Hazards	Flammable vapours may form explosive mixtures with air, travel to ignition sources and flash back. Heat may cause exothermic polymerization and container rupture. Containers may explode when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Cool fire-exposed containers with water spray. Prevent contaminated fire-fighting run-off from entering drains and waterways. Use grounded/explosion-proof equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources. Ensure adequate ventilation. Prevent polymerization by maintaining inhibitor levels. Wear appropriate PPE (see Section 8). Keep non-essential personnel away.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. If environmental release occurs, notify relevant authorities as required by local regulation.
Containment / Clean-up	Contain spill with inert absorbent material (e.g. sand, earth, vermiculite). Collect material into labelled, closeable containers for disposal through an approved waste contractor. Do not flush to drain.
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	Maintain inhibitor levels at all times. Avoid heat, direct sunlight, contamination and static discharge. Use explosion-proof equipment. Ground/bond containers during transfer.
Hygiene	Wash hands thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not eat, drink or smoke when using.



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Storage Conditions	Store in original, tightly closed compatible containers in a cool, dry, well-ventilated area away from heat and ignition sources. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (typically ≤ 20 °C recommended to minimise polymerization risk); follow supplier specification.
Incompatible Materials	Strong oxidising agents (nitric acid, permanganates, peroxides, chlorine), concentrated acids and halogens. Avoid aluminium chloride at elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Butyl Acrylate (CAS 141-32-2): consult current OSHA PEL, NIOSH REL, ACGIH TLV, EU OEL and India MSIHC Schedule II limits. Use ALARA / good industrial hygiene where no specific OEL is established. Supplier/regional confirmation required.
Engineering Controls	Use closed systems and/or local exhaust ventilation to control vapour and mist. Use explosion-proof ventilation equipment and ground/bond flammable liquid transfer systems.
Respiratory Protection	If ventilation is inadequate: use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergencies or high-concentration exposures.
Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene, PVC or laminate) – select thickness and breakthrough time for the product and task. Eye/Face: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield where splash risk exists. Body: chemical-resistant apron/clothing; antistatic footwear where flammable vapours may accumulate. Provide eyewash station and safety shower in the working area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Pungent acrylate odour
Odour Threshold	Not established
pH	Not applicable (neat liquid; verify from supplier COA/SDS for aqueous grades)



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Melting / Freezing Point	-64 °C
Boiling Point / Range	145–148 °C
Flash Point	37 °C (closed cup)
Auto-ignition Temperature	292 °C
Flammability Limits	LEL 1.2 % v/v UEL 9.9 % v/v
Vapour Pressure	5 hPa at 20 °C
Vapour Density (air = 1)	4.4
Relative Density	0.90 at 20 °C
Solubility in Water	Slightly soluble
Log Pow (Partition Coeff.)	2.4
Evaporation Rate	Moderate
Viscosity	Low viscosity liquid
VOC Content	100 % VOC

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions when inhibitor is present.
Conditions to Avoid	Heat, ignition sources, direct sunlight, contamination and depletion of inhibitor. May polymerize exothermically if inhibitor is depleted or if heated.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride (AlCl ₃) under elevated temperature — not a concern under normal ambient storage.
Hazardous Decomposition	Carbon oxides (CO, CO ₂) and irritating or toxic fumes may be formed in fire or thermal decomposition.
Hazardous Reactions	Exothermic polymerization if inhibitor is depleted or if the product is heated or contaminated. Will not occur under normal conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Harmful if swallowed; exact LD50 requires supplier/test data confirmation. See Section 2 classification.
Acute Dermal Toxicity	Irritating to skin; causes skin irritation (H315). Exact LD50 requires supplier/test data confirmation.



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Acute Inhalation Toxicity	Vapours/mist may irritate the respiratory tract (H335). Exact LC50/ATE requires supplier/test data confirmation.
Skin Irritation	Classified Skin Irrit. 2 (H315) — causes skin irritation.
Eye Irritation	Classified Eye Irrit. 2 (H319) — causes serious eye irritation.
Sensitisation	Classified Skin Sens. 1 (H317) — may cause an allergic skin reaction. Repeated exposure may cause sensitisation.
Carcinogenicity	Not classified. No confirmed carcinogenicity from reviewed public data; endpoint-specific assessment requires supplier confirmation.
Mutagenicity	Not classified. No confirmed mutagenicity from reviewed public data; endpoint-specific assessment requires supplier confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Classified Aquatic Chronic 2 (H411) — toxic to aquatic life with long lasting effects. Obtain LC50/EC50/NOEC values from supplier, ECHA or PubChem where required.
Persistence / Degradability	Not verified as readily biodegradable from reviewed public data. Do not assume ready biodegradability; treat as persistent until supplier/ECHA data confirms otherwise.
Bioaccumulation	Log Pow 2.4 indicates moderate bioaccumulation potential. Use verified BCF data where available.
Mobility in Soil	Slightly soluble in water; moderate soil mobility 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 applicable local, state and national hazardous waste regulations.
Contaminated Packaging	Empty containers may retain product residues; handle as hazardous until professionally cleaned or disposed. Do not re-use containers for food or drink.
Indian Regulations	Comply with the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules and applicable State Pollution Control Board requirements. Assign European Waste Code (EWC) or



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local equivalent according to actual process and local regulation for
cross-border shipments.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 2348	UN 2348	UN 2348
Proper Shipping Name	BUTYL ACRYLATES, STABILIZED	BUTYL ACRYLATES, STABILIZED	BUTYL ACRYLATES, STABILIZED
Class	3	3	3
Packing Group	III	III	III
Marine Pollutant	Verify — likely Yes (aquatic hazard present; confirm from IMDG/supplier data)	Verify — likely Yes (aquatic hazard present; confirm from IMDG/supplier data)	N/A

Tunnel restriction (ADR): D/E. IMDG EmS: F-E, S-D. Packaging: UN-certified drum, Class 3 placard, UN 2348, PG III, product name. Verify current carrier rules before every shipment. Packing Group source showed III in transport section — note that one transport label reference said PG II; III is consistent with stabilized Cat 3 flammable liquid — confirm with carrier before shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to the GHS/CLP classification listed in Section 2.
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 MSIHC Rules, workplace chemical, VOC and environmental requirements. Follow State Pollution Control Board and hazardous waste rules.
Other Jurisdictions	China (GB Standards): use applicable GB/T SDS and classification requirements where marketed. Canada WHMIS/HPR: classify and label under WHMIS 2015/HPR using Section 2 classification; bilingual SDS/label and ingredient disclosure may be required. Australia (AICS), GCC/Middle East: check inventory/registration status before import or export. Final market placement requires confirmation of local OELs, transport class, waste code and restrictions.



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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
- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction
- H319 — Causes serious eye irritation
- H335 — May cause respiratory irritation
- H411 — Toxic to aquatic life with long lasting effects