SAFETY DATA SHEET

BUTYL ACRYLATE

CAS No.: 141-32-2

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Butyl Acrylate
CAS Number	141-32-2
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word Warning

HAZARD CLASSIFICATION

- Flammable Liquid (Category 3)
- Skin Irritation (Category 2)
- Eye Irritation (Category 2)
- Skin Sensitisation (Category 1)
- STOT Single Exposure (Category 3 - respiratory irritation)

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

PRECAUTIONARY STATEMENTS

- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P233 - Keep container tightly closed
- P261 - Avoid breathing vapours
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P280 - Wear protective gloves/eye protection/face protection
- P302+P352 - If on skin: wash with plenty of water
- P304+P340 - If inhaled: remove to fresh air and keep at rest
- P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes; remove contact lenses if present
- P333+P317 - If skin irritation or a rash occurs: get medical advice
- P403+P233 - Store in a well-ventilated place; keep container tightly closed

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Butyl Acrylate
CAS Number	141-32-2
Physical State	Liquid
Appearance / Odour	Colorless liquid with a characteristic sharp, fruity acrylate odor detectable at very low concentrations.

4. FIRST-AID MEASURES

Eye Contact	Rinse immediately with plenty of water for at least 15 minutes, removing contact lenses if present, and seek medical attention if irritation persists.
Skin Contact	Remove contaminated clothing and wash thoroughly with soap and water; seek medical advice if irritation or a rash develops, as the material is a skin sensitizer.
Inhalation	Remove to fresh air, keep at rest, and seek medical attention if respiratory irritation or discomfort persists.
Ingestion	Do not induce vomiting; rinse mouth and seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry chemical, or carbon dioxide; use water spray to cool fire-exposed containers.
Unsuitable Extinguishing Media	Avoid a high-pressure straight water jet, which may spread the fire.
Special Hazards	Flammable liquid capable of forming explosive vapour-air mixtures; contains a polymerization inhibitor (commonly MEHQ) that depends on the presence of dissolved oxygen - heat, contamination, or oxygen depletion in a sealed/heated container can trigger a hazardous, self-accelerating exothermic polymerization capable of rupturing the container; combustion produces CO, CO2, and irritant fumes.

6. ACCIDENTAL RELEASE MEASURES

Measures	Eliminate ignition sources, ventilate the area (evacuate for large spills due to fire/polymerization risk), contain the spill with inert absorbent, prevent entry into drains or waterways, and avoid letting the material dry out or lose its inhibitor.

7. HANDLING AND STORAGE

Handling Precautions	Keep containers closed with the supplier-recommended air/inhibitor headspace, avoid heat, direct sunlight, and ignition sources, avoid skin/eye contact and vapour inhalation, use local exhaust ventilation, ground/bond equipment during transfer, and avoid contamination with polymerization initiators, oxidizers, or amines.
Storage Conditions	Store below the supplier's recommended maximum temperature (typically under 30C) in a cool, shaded, well-ventilated area away from heat, direct sunlight, and ignition sources, maintaining adequate inhibitor level and air headspace, and rotating stock to avoid prolonged storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	ACGIH TLV is 2 ppm TWA (with a skin sensitizer notation); wear chemical splash goggles/face shield, nitrile or butyl rubber gloves, protective clothing, and a NIOSH-approved organic vapour respirator if ventilation is inadequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Colorless liquid with a characteristic sharp, fruity acrylate odor detectable at very low concentrations.
Boiling Point	145-148
Melting Point	-64 to -65
Flash Point	39-41 (closed cup)
Density / Specific Gravity	0.894-0.899 g/cm3 at 20C
Water Solubility	Slightly soluble, approximately 0.14-0.2 g/100 mL at 20C
pH Value	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable when adequately inhibited and stored per specification; can undergo hazardous, self-accelerating exothermic polymerization if the inhibitor or oxygen is depleted or the material is heated, contaminated, or exposed to light/initiators.
Incompatible Materials	Strong oxidizers, strong acids/bases, peroxides and other polymerization initiators, amines, and metals (e.g., iron, copper alloys) that can catalyze polymerization.
Hazardous Decomposition	Carbon monoxide and carbon dioxide on combustion; hazardous heat and gas evolution if the material polymerizes uncontrolled.

11. TOXICOLOGICAL INFORMATION

Summary	Low-to-moderate acute toxicity (rat oral LD50 approximately 3,000 mg/kg); irritating to the skin, eyes, and respiratory tract; a recognized skin sensitizer capable of causing allergic contact dermatitis; long-term high-dose animal inhalation studies have shown local (nasal) irritant effects at the point of contact, but it is not classified as a systemic carcinogen, mutagen, or reproductive toxicant under harmonized EU CLP classification.

12. ECOLOGICAL INFORMATION

Summary	Moderately toxic to aquatic organisms (fish/invertebrate LC50/EC50 typically in the low mg/L range); expected to biodegrade under aerobic conditions with low bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of as flammable/hazardous chemical waste through a licensed waste contractor; do not allow uninhibited material to accumulate and do not discharge to sewers or waterways.

14. TRANSPORT INFORMATION

UN Number	UN2348 (Butyl acrylates, stabilized)
Transport Hazard Class	3
Packing Group	III

15. REGULATORY INFORMATION

Notes	Listed on the TSCA (US) and REACH (EU) inventories with an EU CLP harmonized classification under Annex VI; classified as a skin sensitizer requiring specific labeling; transport requires an adequately inhibited/stabilized grade per IMDG/ADR special provisions.

16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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