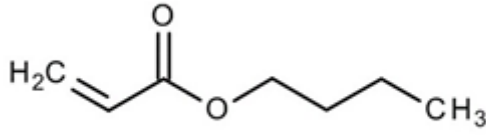

BUTYL ACRYLATE



IUPAC NAME: n-Butyl acrylate

CHEMICAL FORMULA: C₇H₁₂O₂

CAS NO: 141-32-2

MOLECULAR WEIGHT: 128.2 g/mol

PACKING:

PRODUCT DESCRIPTION:

Butyl Acrylate (BA) is an ester of Acrylic acid and is used as a raw material in the synthesis of polymers. Butyl Acrylate (BA) is a monofunctional monomer with a characteristic high reactivity, containing both a methacrylate group and a cyclic hydrophobic group. Copolymers of Butyl Acrylate (BA) can be prepared with (meth)acrylic acid and its salts, amides, esters, methacrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, unsaturated polyesters, drying oils, and others.

PROPERTIES:

Butyl Acrylate (BA) is used in organic glass production and also serves as a comonomer in the synthesis of acrylic dispersions. These dispersions are used in impregnation compositions in various industries, including adhesives, binders, leather, printing, paints, varnishes, cellulose, and paper.

APPLICATION AREAS:

- Hydrophobicity
- Adhesiveness
- Water resistance
- Low-temperature performance
- Durability and strength
- Flexibility
- Viscosity
- Weather resistance

IT IS APPLIED IN THE PRODUCTION OF:

- Acrylic and water-based dispersions
- Water-based industrial and architectural paints
- Industrial and architectural coatings
- Varnishes
- Textiles
- Cellulose and paper
- Paper and leather coatings
- Wood and metal coatings
- Adhesives
- Inks, fillers, and sealing materials.

CHEMICAL PROPERTIES



| | |
|------------------------|---------------|
| PURITY | min. 99.5% |
| ACID CONTENT | max. 0.01% |
| MOISTURE AMOUNT | max. 0.05% |
| COLOUR (APHA) | max. 10 |
| INHIBITOR | 15±5 ppm MEHQ |

PHYSICAL PROPERTIES

| | |
|-----------------------|----------------------------------|
| APPEARANCE | Clear, Colourless |
| PHYSICAL STATE | Liquid |
| ODOR | Pungent |
| DENSITY | 0.898 g/cm ³ at 20 °C |
| BOILING POINT | 148 °C |
| FREEZING POINT | - 64 °C |
| FLASH POINT | 29 °C |
| VISCOSITY | 0.92 mPa · s at 20 °C |
| VAPOR PRESSURE | 5.4 mbar at 20 °C |



SAFETY INFORMATION

| | |
|------------------------------|--|
| HAZARD PICTOGRAM(S) |  Xi Irritant |
| RISK PHRASES | R 10 Flammable. R 36/37/38 Irritating to eyes, respiratory system and skin. R 43 May cause sensitisation by skin contact. |
| SAFETY PHRASES | S 9 Keep the container in a well-ventilated place. |
| STORAGE CLASS | 3A Flammable Liquids |
| STORAGE CONDITIONS | Store in a cool location. Provide solvent resistant, sealed floor. Suitable material for receptacles and pipes: Aluminium. Suitable material for receptacles and pipes: Stainless steel. Observe national regulations for storage of flammable liquids. Recommended storage temperature: In the pure, unstabilized state it can only be stored below -10° C. Stabilized below 25° C. |
| DISPOSAL | Must not be disposed of together with household garbage. Do not allow products to reach the sewage system. Must be specially treated adhering to official regulations. |
| TRANSPORT INFORMATION | Land transport ADR/RID (cross-border):  |



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- ADR/RID class: 3 (F1) Flammable liquids.
- Danger code (Kemler): 39
- UN-Number: 2348
- Packaging group: III
- Label: 3
- Description of goods: 2348 BUTYL ACRYLATES, STABILIZED

Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 2348
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-D
- Proper shipping name: BUTYL ACRYLATES, STABILIZED

Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 2348
- Label: 3
- Packaging group: III

For more information, check the SAFETY DATA SHEET or get contact with us.