

Material Safety Data Sheet

Butyl Acrylate Monomer

Section 1 - Chemical Product

msds: Butyl Acrylate Monomer

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
141-32-2	Butyl acrylate	> 99
150-76-5	4-Methoxyphenol	0.001-0.002

Section 3 - Hazards Identification

Prevention Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Contaminated work clothing should not be allowed out of the workplace Keep away from heat/sparks/open flames/hot surfaces. - No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting equipment Use only non-sparking tools Take precautionary measures against static discharge Keep cool

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Skin If skin irritation or rash occurs: Get medical advice/attention IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

Fire In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage Store in a well-ventilated place. Keep container tightly closed Store locked up

Disposal Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) Harmful to aquatic life with long lasting effects

Other hazards Stench.

Section 4 - First Aid Measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact Get medical attention. Wash off immediately with plenty of water for at least 15 minutes.

Inhalation Remove to fresh air. Get medical attention. If not breathing, give artificial respiration.

Ingestion Do NOT induce vomiting. Get medical attention.

Most important symptoms and effects Difficulty in breathing. May cause allergic skin reaction. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

Notes to Physician Treat symptomatically

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers

Unsuitable Extinguishing Media No information available

Flash Point 39 °C / 102.2 °F

Method - No information available

Autoignition Temperature 297 °C / 566.6 °F

Explosion Limits

Upper 7.8 vol %

Lower 1.5 vol %

Specific Hazards Arising from the Chemical Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flashback. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Vapors may form explosive mixtures with air.

Hazardous Combustion Products Carbon monoxide (CO). Carbon dioxide (CO₂).

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Remove all sources of ignition. Take precautionary measures against static discharges. Do not get in eyes, on skin, or on clothing.

Environmental Precautions Avoid release to the environment. See Section 12 for additional Ecological Information. Collect spillage. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up Remove all sources of ignition. Soak up with inert absorbent material. Keep unsuitable, closed containers for disposal. Use spark-proof tools and explosion-proof equipment

Section 7 - Handling and Storage

Handling Use only under a chemical fume hood. Wear personal protective equipment/face protection. Use spark-proof tools and explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not get in eyes, on skin, or on clothing. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance. Use only non-sparking tools.

Storage. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Flammables area. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong bases. Peroxides

Section 8 - Exposure Controls, Personal Protection

Engineering Measures Use only under a chemical fume hood. Use explosion-proof electrical/ventilating/lighting equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	Colorless
Odor	Stench
Odor Threshold	No information available

pH	No information available
Melting Point/Range	-64 °C / -83.2 °F
Boiling Point/Range	145 °C / 293 °F @ 760 mmHg
Flash Point	39 °C / 102.2 °F
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	7.8 vol %
Lower	1.5 vol %
Vapor Pressure	5 mbar @ 20 °C
Vapor Density	4.4
Specific Gravity	0.890
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	297 °C / 566.6 °F
Decomposition Temperature	No information available
Viscosity	0.869 mPa.s at 20 °C
Molecular Formula	C7 H12 O2
Molecular Weight	128.17

Section 10 - Stability and Reactivity

Reactive Hazard None known, based on information available

Stability Light sensitive.

Conditions to Avoid Temperatures above 30°C. Keep away from open flames, hot surfaces and sources of ignition. Excess heat. Exposure to light. Incompatible products.

Incompatible Materials Strong oxidizing agents, Strong acids, Strong bases, Peroxides

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2)

Hazardous Polymerization Hazardous polymerization may occur upon depletion of inhibitor.

Hazardous Reactions None under normal processing.

Section 11 - Toxicological Information

Irritation Irritating to eyes, respiratory system and skin

Sensitization May cause sensitization by skin contact

Carcinogenicity **noy mentioned**

STOT - single exposure Respiratory system

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity Toxic to aquatic organisms. Do not empty into drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. The product contains following substances which are hazardous for the environment.

Persistence and Degradability Soluble in water Persistence is unlikely based on information available

Bioaccumulation/ Accumulation No information available.

Mobility . Will likely be mobile in the environment due to its water solubility.

Section 13 - Disposal Considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

DOT

UN-No UN2348

Proper Shipping Name BUTYL ACRYLATES, STABILIZED

Hazard Class 3

Packing Group III

TDG

UN-No UN2348

Proper Shipping Name BUTYL ACRYLATES, STABILIZED

Hazard Class 3

Packing Group III

IATA UN-No UN2348

Proper Shipping Name BUTYL ACRYLATES, STABILIZED

Hazard Class 3

Packing Group III

IMDG/IMO

UN-No UN2348

Proper Shipping Name BUTYL ACRYLATES, STABILIZED

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Section 15 - Regulatory Information

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X – Listed

'-' - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT) Not applicable

TSCA 12(b) - Notices of Export Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations