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Material Safety Data Sheet

Tert-Butyl bromoacetate

Section 1: Chemical Product and Company Identification

Molecular formula:C6H11BrO2

CAS Nr: 5292-43-3

Molecular weight:195.05

Synonyms: T-Butyl Bromoacetate

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	%By Weight
Tert-Butyl bromoacetate	5292-43-3	98.5

Section 3: Hazards Identification

Label elements of the substance according to GHS(the fourth revised edition)	
Pictogram	
Signal	Warning
Hazard statement(s)	H226 Flammable liquid and vapour H315 Causes skin irritation 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. 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. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): 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. P312 Call a POISON CENTER/doctor/if you feel unwell. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 4: First Aid Measures

After skin contact	Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
After ingestion	Do Not induce vomiting. Never give anything by mouth to an unconscious person .Rinse mouth with water .Consult a physician
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5: Fire and Explosion Data

Hazardous products of combustion	Carbon oxides, hydrogen bromide gas.
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods for cleaning up	Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves
Body protection	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance: Colorless transparent liquid	Odor: No data available
Melting point (°C): No data available	Relative density (g/cm³): 1.33
Boiling point (°C): 166	Relative density of steam distillation (g/mL): No data available
Saturated vapor pressure(Kpa): No data available	Heat of combustion (kJ/mol): No data available
Flash point (°C): 49 (closed cup)	Critical pressure (Mpa): No data available
Ignition temperature (°C): No data available	Upper explosive limit% (V/V): No data available
Partition coefficient octanol/water: No data available	Lower explosive limit% (V/V): No data available

Section 10: Stability and Reactivity Data

Stability:	Stable under the storage condition recommended.
Substances to avoid:	Strong bases, Strong oxidizing agents.
Condition to avoid contact	Heat, flames and sparks.
Hazardous decomposition products:	No data available.

Section 11: Toxicological Information

Acute toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive toxicity: No data available
Specific target organ toxicity – single exposure: No data available
Specific target organ toxicity – repeated exposure: No data available
Aspiration hazard: No data available

Section 12: Ecological Information

Ecotoxicity: No data available
Biodegradability: No data available
Abiotic degradation: No data available
Bioaccumulation: No data available
Other hazards: No data available.

Section 13: Disposal Considerations

Property of waste: No data available
Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations. Burning method is recommended.
Precautions of disposal: No data available.

Section 14: Transport Information

UN number: 1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
Transportation primary hazard class: 3
Transportation secondary hazard class: —
Packing group: III

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
no data available

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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