



\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

tert-Butyl bromoacetate, 99%

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: tert-Butyl bromoacetate, 99%

Catalog Numbers:

15434-0000, 15434-0100, 15434-0500, 15434-2500

Synonyms:

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS#	Chemical Name	%	EINECS#	Haz Symbols
5292-43-3	tert-Butyl bromoacetate	99%	226-133-6	

Hazard Symbols: XI

Risk Phrases: 10 36/37/38

\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

EMERGENCY OVERVIEW

Flammable. Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye:

Lachrymator (substance which increases the flow of tears).

Skin:

Not available.

Ingestion:

Not available.

**Inhalation:**

Not available.

**Chronic:**

Not available.

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

**Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

**Skin:**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:**

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:**

Remove from exposure and move to fresh air immediately.

**Notes to Physician:**

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

**General Information:**

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

**Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

**Handling:**

Not available.

**Storage:**

Refrigerator/flammables.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:

Wear safety glasses and chemical goggles if splashing is possible. Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin. Respirators:

Wear a NIOSH/MSHA or European Standard EN 149

approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

Physical State: Clear liquid  
Color: colorless - yellow  
Odor: Not available.  
pH: Not available.  
Vapor Pressure: Not available.  
Viscosity: Not available.  
Boiling Point: 50 deg C @ 10.00mm Hg  
Freezing/Melting Point: Not available.  
Autoignition Temperature: Not available.  
Flash Point: 49 deg C ( 120.20 deg F)  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
Decomposition Temperature:  
Solubility in water: immiscible with water  
Specific Gravity/Density: 1.338  
Molecular Formula: BrCH2CO2C(CH3)3  
Molecular Weight: 195.06

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, hydrogen bromide.

Hazardous Polymerization: Has not been reported.

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

RTECS#:

CAS# 5292-43-3 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

tert-Butyl bromoacetate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Dispose of in a manner consistent with federal, state, and local regulations.

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

IATA

Shipping Name: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.\*

Hazard Class: 6.1

UN Number: 2929

Packing Group: II

IMO

Shipping Name: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.

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RID/ADR

Shipping Name: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 2929

Packing group: II

\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

European/International Regulations

European Labeling in Accordance with EC Directives Hazard Symbols: XI

Risk Phrases: R 10 Flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: S 16 Keep away from sources of ignition - No smoking.

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 5292-43-3: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 5292-43-3 is listed on Canada's NDSL List.

CAS# 5292-43-3 is not listed on Canada's Ingredient Disclosure List. Exposure Limits

US FEDERAL TSCA CAS# 5292-43-3 is listed on the TSCA inventory.

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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