

Safety Data Sheet (SDS)

# SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# tert-Butyl Chloride

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-9607

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

## SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
tert-Butyl chloride	507-20-0	C4H9Cl	92.57	
Synonyms: 2-Chloro-2-methylpropane				

## SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

## SECTION 5 — FIRE FIGHTING MEASURES

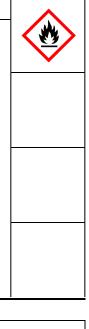
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DANGER



Class IB flammable liquid.	NFPA Code
Flash point: -27 °C Upper: 10.1% Lower: 1.8% Autoignition Temperature: 540 °C	H-1
Container explosion may occur under fire conditions. When heated to decomposition, may emit	F-3
toxic fumes.	R-0
In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).	

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

#### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, and halogenated hydrocarbons. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor<sup>TM</sup> can. Keep container tightly closed (P233). Keep cool (P235). Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242).

#### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid with a sweet, hexane-like odor. Soluble: Alcohol, ether, and chloroform Boiling point: 50-52 °C Melting point: -26 °C Specific gravity: 0.846

#### SECTION 10 - STABILITY AND REACTIVITY

Incompatible with strong oxidizing agents and strong bases. Shelf life: Indefinite, if stored properly.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Eye and skin irritant. Chronic effects: N.A. Target organs: N.A. ORL-RAT LD<sub>50</sub>: 2900 mg/kg IHL-RAT LC<sub>50</sub>: N.A. SKN-RBT LD<sub>50</sub>: N.A.

#### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method 27j is one option.

## SECTION 14 — TRANSPORT INFORMATION

Shipping name: Chlorobutanes; Hazard class: 3, Flammable liquid; UN number: UN1127

#### SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (208-066-4), RCRA D001.

## SECTION 16 — OTHER INFORMATION

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science

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N.A. = Not available, not all health aspects of this substance have been fully investigated. N/A = Not applicable

# Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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