

5-2-2022: File reviewed, more current MSDS/SDS not available. JMC

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

tert-Butyl Alcohol

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9545

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Serious eye damage or irritation (Category 2A). Causes serious eye irritation (H319).



Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing mist, vapors or spray (P261).

Hazard class: Specific target organ toxicity, single exposure; Narcotic effects (Category 3). May cause drowsiness or dizziness (H336). Avoid breathing mist, vapors or spray (P261).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
tert-Butyl alcohol	75-65-0	(CH <sub>3</sub> ) <sub>3</sub> COH	74.12	
Synonyms: 2-methyl-2-propanol				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312). **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). **If skin irritation occurs:** Get medical advice or attention (P332+P313). **If swallowed:** Rinse mouth. **Call a POISON CENTER or physician if you feel unwell.**

### SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid; dangerous fire risk.

NFPA Code

Flash point: 11 °C Flammable limits: Lower: 2.4% Upper: 8.0% Autoignition Temperature: 478 °C

H-2

F-3

When heated to decomposition, may emit 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; deposit in sealed bag or container. See Sections 8 and 13 for further information.

---

**SECTION 7 — HANDLING AND STORAGE**

---

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can. Keep container tightly closed (P233). Keep cool (P235). Use only in a hood or well-ventilated area (P271).

---

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

---

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

Exposure guidelines: PEL/TLV 100 ppm (OSHA/ACGIH). IDLH 1600 ppm (NIOSH)

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

Colorless, mobile liquid. Camphor-like odor. May be solid at room temperature.	Boiling point: 82.4 °C
Soluble: Water. Miscible in alcohol.	Melting point: 25.7 °C
	Specific gravity: 0.7885
	Vapor density: 2.5

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Avoid contact with acids, acid chlorides, acid anhydrides, oxidizers, and heat.

Shelf life: Fair.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Eye, skin, and respiratory tract irritation.	ORL-RAT LD <sub>50</sub> : 2743 mg/kg
Nausea, dizziness, and headache.	IHL-RAT LC <sub>50</sub> : greater than 10,000 ppm/4H
Chronic effects: N.A.	SKN-RBT LD <sub>50</sub> : greater than 2 g/kg
Target organs: Eyes, skin, respiratory system, and central nervous system.	

---

**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 #26b is one option.

---

**SECTION 14 — TRANSPORT INFORMATION**

---

Shipping name: Butanols. Hazard class: 3, Flammable liquid. UN number: UN 1120.

---

**SECTION 15 — REGULATORY INFORMATION**

---

TSCA-listed, EINECS-listed (200-889-7), RCRA code 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 instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND

OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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.**

**Revision Date:** June 25, 2015

---