SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

tert-Butyl Alcohol

Flinn Scientific, Inc.  P.O. Box 219  Batavia, IL  60510  (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

tert-Butyl alcohol
Synonym: 2-methyl-2-propanol
CAS#:  75-65-0

SECTION 3 — HAZARDS IDENTIFICATION

Colorless, mobile liquid or solid with a camphorlike odor.
Irritant to eyes and body tissue. Moderately toxic. Absorbed through the skin.
Flammable liquid. Dangerous fire risk.

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.
Eye: Immediately flush with fresh water for at least 15 minutes.
External: Wash continuously with fresh water for at least 15 minutes.
Internal: Give large quantities of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class 1B flammable liquid; dangerous fire risk.
Flash Point: 40 °F    Upper: 8%    Lower: 2.4%    Autoignition Temperature: 896 °F
Fire Fighting Instructions: Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and
SCBA with full facepiece operated in positive pressure mode.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. 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 #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.
Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant
apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with
proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).
Exposure guidelines: TWA 100 ppm (OSHA).

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES
Colorless, mobile liquid with a camphorlike odor.
Formula: \((\text{CH}_3)_2\text{COH}\)
Formula Weight: 74.14
Boiling Point: 83 °C
Melting Point: 25 °C
Specific Gravity: 0.78
Vapor Density: 2.5 (Air=1)
Vapor Pressure: 31 mm @ 20 °C

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: Nausea, dizziness, and headache.
Chronic effects: Reproductive hazard.
Target organs: Central nervous system.
ORL-RAT LD_{50}: 3500 mg/kg
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: N.A.

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

SECTION 12 — ECOLOGICAL INFORMATION
Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS
Please consult with state and local regulations.
Flinn Suggested Disposal Method 18b is one option.

SECTION 14 — TRANSPORT INFORMATION
Shipping Name: Butanols
Hazard Class: 3, Flammable liquid
UN Number: UN 1120
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION
TSCA-listed, EINECS-listed (200-889-7), RCRA code D001.

SECTION 16 — OTHER INFORMATION
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Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.