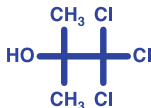




Chlorobutanol

- **Formula:** C₄H₇Cl₃O
- **Molecular Weight:** 177.46
- **CAS Registry Number:** 57-15-8 (anhydrous); 6001-64-5 (hemihydrate)
- **Chemical Structure:**



- **Other Names:** Chlorobutanol; 2-Propanol, 1,1,1-trichloro-2-methyl-; β,β,β-Trichloro-tert-butyl alcohol; Acetochlorone; Acetone chloroform; Anhydrous chlorobutanol; Chlorbutanol; Chlorbutol; Chloreton; Chloretone; Chlortran; Clortran; Dentalone; Khloreton; Methaform; Sedaform; Trichloro-tert-butyl alcohol; 1,1,1-Trichloro-tert-butyl alcohol; 2-(Trichloromethyl)propan-2-ol; 1,1,1-Trichloro-2-methyl-2-propanol; tert-Trichlorobutyl alcohol; Acetonchloroform; Chlorobutanol, anhydrous; HCP; 2-Propanol, 2-methyl-1,1,1-trichloro-; Trichloro-tert-butanol; Trichloro-t-butyl alcohol; t-Trichlorobutyl alcohol; Trichlorisobutylalcohol; 2,2,2-Trichloro-1,1-dimethylethanol
- **Description:** Colorless or white crystals with a characteristic champhor-like odor. Chlorobutanol sublimates readily.
- **Physical Properties:**

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| Solubility | H ₂ O - slightly soluble; soluble in alcohol, glycerol, freely soluble in chloroform, ether and volatile oils |
| Boiling Point | 332.6 °F (167°C) @ 760 mm. Hg |
| Melting Point | Anhydrous: 207°F (97°C) Hemi hydrate: 169°F (76°C) |

- **Stability:** Chlorobutanol is stable at ambient temperatures and pressures. The anhydrous form is hygroscopic and should be protected from prolonged exposure to ambient air.
- **Storage:** Chlorobutanol should be stored in cool, well ventilated areas away from flammable materials and sources of heat and flame. Chlorobutanol should be stored so as to minimize the risk of damage to and leakage from containers. It should be stored in closed containers to prevent prolonged exposure to air away from animal or human food stuffs.
- **Toxicology:**

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|--------|--|
| Oral | Acute oral LD ₅₀ 283 mg/kg female rat Acute oral LD ₅₀ 317 mg/kg male rat |
| Dermal | Acute dermal LD ₅₀ greater than 2000 mg/kg (rabbit) |
| Eye | Non-irritant to rabbit eyes |