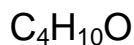




# Isobutanol

## Iso Butyl Alcohol 2-Methyl-1-Propanol



### Description

A clear, colorless solution with a sweet musty odor.

### Physical properties

|  |       |
|--|-------|
| Molecular Weight                         | 74.12 |
| Relative Evaporation Rate nBuAc=1        | 0.74  |
| Vapor Pressure at 20°C, mmHg             | 7.2   |
| Density at 20°C lb/gal                   | 6.68  |
| Specific Gravity at 20/20°C              | 0.802 |
| Viscosity at 20°C cP                     | 4.0   |
| Surface Tension                          |       |
| (dynes/cm at 20°C)                       | 23.0  |
| (dynes/cm at 25°C)                       | -     |
| Hansen Solubility Parameters             |       |
| Total                                    | 11.1  |
| Non-Polar                                | 7.4   |
| Polar                                    | 2.8   |
| Hydrogen Bonding                         | 7.8   |
| Boiling Point, °C at 760mm Hg            | 107.9 |
| Solubility at 20°C                       |       |
| %Wt In Water                             | 8.5   |
| %Wt Water in                             | 15    |
| Closed Cup Flash Point °F                | 82    |
| SARA 313 (see note 1 †)                  | N     |
| Hazardous Air Pollutant (see note 2 † †) | N     |

† **Note 1:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313

† † **Note 2:** Hazardous Air Pollutants listed under Title III of the Clean Air Act

### Classification/Registry Numbers

|            |           |
|------------|-----------|
| CAS Number | 78-83-1   |
| EINECS     | 201-148-0 |

# Isobutanol

## Iso Butyl Alcohol

### 2-Methyl-1-Propanol

#### Features

- Medium volatility
- Relatively slow latent evaporating solvent in lacquer
- Miscible with organic solvents such as glycols, ketones, alcohols, aldehydes, ethers, aromatic and aliphatic hydrocarbons
- Limited miscibility with water
- Prevents blushing of certain coatings
- Improves flow and gloss and nitrocellulose lacquers
- Suitable solvent for acid curable lacquers and baking finishes derived from urea
- Hydroxyl functionality
- Non-HAP (Hazardous air pollutant) Solvent

#### Applications

- Solvent (coatings/cleaners)
- Textiles
- De-icing fluids
- Intermediate for glycol ethers
- Flotation agents
- Floor polishes
- Extractant in production of drugs and antibiotics, hormones, vitamins
- Additive in gasoline
- Chemical intermediate (esters)
- Anti-corrosion and anti-wear inhibitors in engine oils
- Agricultural chemicals intermediate

#### How supplied

- Bulk: Tank truck/tank cars/isotanks/bulk marine vessels

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

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**In the Pacific: +800 7776 7776; Fax: +800 7779 7779**  
**In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465**

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