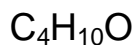




Isobutanol

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 |

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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.

The Dow Chemical Company
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