

DESCRIPTION

Isopropyl Alcohol (IPA) Isopropyl alcohol (IUPAC name propan-2-ol; also known as isopropanol or 2-propanol) is a colorless, flammable organic compound with a pungent alcoholic odor. It is used in the manufacture of a wide variety of industrial and household chemicals and is a common ingredient in products such as antiseptics, disinfectants, hand sanitizer and detergents. Commonly used as a solvent, a chemical intermediate, a medical disinfectant, and in laboratory applications.

PHYSICAL AND CHEMICAL PROPERTIES

TYPICAL PROPERTIES	SPECIFICATIONS
CAS Number	67-63-0
EC Number	200-661-7
Formula	C_3H_8O or $CH_3CHOHCH_3$ or $(CH_3)_2CHOH$
Molecular Weight	60.1 g/mol
Physical State	Liquid
Flammability Limits	2% (lower limit), 12% (upper limit)
Flash Point (C.C)	53 °F (12 °C)
Autoignition Temp.	750 °F (398 °C)
Melting Point	-127.3 °F (-88.5 °C)
Boiling Point	180.5 °F (82.3 °C) @ 760 mmHg
Odor	Odor of rubbing alcohol
Density	0.78509 at 25 °C
Threshold (odor)	Low: 1.0 [mmHg], High: 610.0 [mmHg] Detection odor threshold from AIHA (mean = 43 ppm)
Vapor density	2.1 (Air = 1)
Vapor Pressure	33 mmHg at 68 °F ; 40 mmHg at 74.8 °F
Viscosity	2.038 mPa s at 25 °C
Water Solubility	100%

PRODUCT SPECIFICATIONS

ASSAY	UNIT	SPECIFICATIONS
Purity	wt %	99.8 min
Water	wt %	0.10 max
Color	Pt-Co	5 max
Acidity as Acetic Acid	wt %	0.001 max

STORAGE AND HANDLING

Refer to our (Material) Safety Data Sheet

NOTE

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

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