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## **ISOPROPYL ALCOHOL-GP**

CAS Number: 67-63-0

Synonym: Isopropyl Alcohol; 2-Propanol, Dimethylcarbinol

### **Product Description**

Isopropanol is a colorless, flammable liquid with a characteristic alcoholic odor. It is completely miscible with most solvents, including water, and is a suitable solvent for acrylic and epoxy resins, ethyl cellulose, natural resins, gums, polyvinyl butyral, alkaloids and some essential oils.

### **Applications**

- Nitrocellulose lacquers and thinners
- Extractant
- Rubbing compounds
- Lithographic printing
- Coupling agent in cleaners and polishes
- Adhesives
- General purpose cleaners
- Chemical intermediate
- Dehydrating agent
- Disinfectants
- De-icing

### **CSI GENERAL PRODUCT SPECIFICATION:**

<b>Property</b>	<b>Unit</b>	<b>Specification</b>	<b>Test Method</b>
Assay Isopropanol	wt%	99.0 Min	GC
Ethanol	wt%	0.50 Max.	GC
Water	wt%	0.10 Max	ASTM D1364
Color	Pt-Co	10 Max	ASTM D1209
Appearance -		Clear	ASTM D4176
Density@ 20°C	g/mL	0.785 – 0.787	ASTM D4052
Water Miscibility -		Clear & Miscible	ASTM D1722

### **Typical Physical Properties**

<b>Property</b>	<b>Value</b>
Molecular Weight (g/mol)	60.1
Boiling Point @ 760 mmHg, 1.01 ar	82 °C (180 °F)
Flash Point (Setaflash Closed Cup)	12 °C (54°F)
Freezing Point	-89 °C (<-128°F)
Vapor pressure@ 25°C — extrapolated	33.1 mmHg      6.02 kPa
Specific gravity (20/20°C)	0.786
Vapor Density (air = 1)	2.1
Viscosity (cP or mPa•s @ 25°C)	2.1
Surface tension (dynes/cm or mN/m @ 20°C)	21.4
Autoignition temperature	399 °C (750 °F)
Evaporation rate (n-butyl acetate = 1.0)	2.9

### **SAFETY PRECAUTIONS:**

BEFORE USE ALWAYS READ AND FOLLOW THE LABEL AND SAFETY DATA SHEET INSTRUCTIONS.

Shelf Life @ 23 °C [73 °F] – 24 months if properly stored and sealed in original container. Material should be retested biannually or sooner if storage conditions were not kept. Storage Temperature - -20 to 40°C [32 to 104 °F]. Keep out of direct sunlight and away from heat sources. Keep tightly sealed. Always ground containers during transfers.

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