



# RXSOL

CHEMO PHARMA INTERNATIONAL

## Technical Data Sheet (TDS)

**RXSOL-19-1340-025**  
ISO PROPYL ALCOHOL IPA

Description: Isopropyl Alcohol

Isopropanol (Isopropyl Alcohol ) 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.

### Application :

It has multiple application. Some like as below -

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

### Physical and Chemical Properties :

Molecular Formula	C3H8O
Molecular Weight	60.1 g/Mole
Form	Liquid
Colour	Clear
Specific Gravity (20 °C)	0.786
Boiling Point	82.5°C (180.5°F)
Melting Point	-88.5°C (-127.3°F)
Critical Temperature	Not Available

Flammability (solid, gas)	Not relevant (fluid)
Explosive limits	Not Determine
Vapour pressure	4.4 kPa (@ 20°C)
Vapour Density	2.07 (Air = 1)
Viscosity at 20°C	cP 2.4
Closed Cup Flash Point	°F 53
Solubility at 20°C	% Wt In Water 100 % Wt Water in 100

### Features :

- Medium evaporating solvent.
- Latent solvent in nitrocellulose systems.
- Non-HAP (Hazardous Air Pollutant) Solvent.
- Low photochemical reactivity.

### Storage :

The product may be stored at normal ambient temperatures and has a shelf life of not less than 72 months with correct storage.

Test Description	Specification Limits Min. Max.	Unit of Measure	Test Method
Iso Propanol	99.8	%(w/w)	DIN 55685
Water	0.1	%(w/w)	ASTM D1364
Acidity as acetic acid	0.001	%(w/w)	ASTM D1613
Water Miscibility	Miscible		
Nonvolatile Residue	0.001	g/100ml	
Appearance	Clear & Free from suspended Matter		
Colour, Pt-Co	5		ASTM D1209
Density @ 20°C	0.785	0.786	g/ml
Distillation, IBP	81.8	°C	ASTM D1078
Distillation, DP	82.8	°C	ASTM D1078
Refractive Index @ 20°C	1.376	1.378	ASTM D1218
Complies with European Pharmacopoeia, ASTM D770 & DIN 53245			

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