

70% Isopropyl Alcohol is an aqueous solution of isopropanol optimized for disinfection and antiseptic applications. The 30% water content slows evaporation, increasing contact time and antimicrobial efficacy versus anhydrous IPA. It is the industry standard concentration for surface disinfection, wound care, and general sanitation.

SECTION 1: PRODUCT IDENTIFICATION

Product Name	70% Isopropyl Alcohol
CAS Number	Mixture — IPA: 67-63-0; Water: 7732-18-5
Chemical Name	2-Propanol Aqueous Solution; Isopropanol 70%
Composition	~70% Isopropyl Alcohol (w/w), ~30% Purified Water (w/w)
UN Number	UN1219
Supplier	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581 877-710-1965 Sales@canna-gas.com

SECTION 2: PHYSICAL & CHEMICAL PROPERTIES

Physical State	Clear, colorless liquid	Specific Gravity	~0.888 g/mL at 25°C
Odor	Characteristic alcohol odor	Solubility	Completely miscible with water
Boiling Point	~82°C (varies with water content)	LEL / UEL	2.0% / 12.7% in air
Flash Point	~25°C (77°F) — Closed Cup	Vapor Density	>1 (air = 1)
Auto-ignition	399°C (750°F)	pH	~6.0–7.5 (aqueous solution)
Vapor Pressure	~34 hPa at 20°C	Evaporation Rate	Slower than 99% IPA due to water content

SECTION 3: APPLICATIONS & USAGE

Surface Disinfection	Effective against a broad spectrum of bacteria, viruses, and fungi. The 70% concentration is more effective than 99% for disinfection as water slows evaporation and increases antimicrobial contact time.
Wound Care	Standard skin antiseptic for minor cuts, abrasions, and pre-injection preparation.
General Sanitation	Suitable for countertops, equipment surfaces, and non-porous materials.
Medical / Lab	Widely used in clinical and laboratory settings for surface and equipment decontamination.
Application Method	Apply directly or with cloth/swab. Allow to remain wet for adequate contact time (typically 30 seconds minimum for disinfection).
Not Recommended For	Electronics cleaning or applications requiring anhydrous solvent — use 99% IPA instead.

SECTION 4: STORAGE & HANDLING

Storage	Cool, dry, ventilated area away from heat and ignition sources. Keep tightly sealed.
Shelf Life	Minimum 2 years in original sealed containers.
Containers	Compatible with glass, HDPE, and stainless steel.

SECTION 5: REGULATORY & SAFETY SUMMARY

■ **SAFETY NOTE:** FLAMMABLE liquid and vapor (GHS Category 3, H226). Flash point ~25°C (77°F). Keep away from heat and ignition sources. Refer to SDS for complete hazard information.

GHS Signal Word

DANGER

Key Hazards

H226: Flammable. H319: Serious eye irritation. H336: May cause drowsiness/dizziness.

DOT Classification

Class 3 Flammable Liquid, UN1219, PG II

SDS Reference

Full SDS available. CHEMTREC: 1-800-424-9300.

DISCLAIMER: The information provided in this Technical Data Sheet is based on data believed to be accurate as of the issue date. Cannagas Supply makes no warranty, express or implied, regarding fitness for a particular purpose or accuracy of the information herein. Users are responsible for determining suitability for their specific application. Always refer to the Safety Data Sheet (SDS) for complete safety and regulatory information.