

99% Isopropyl Alcohol (IPA) is a high-purity, fast-evaporating solvent and disinfectant. Its near-anhydrous formula (≈99% IPA, ≈1% water) makes it ideal for electronics cleaning, industrial degreasing, laboratory use, and surface sanitation applications requiring rapid evaporation and minimal water residue.

SECTION 1: PRODUCT IDENTIFICATION

Product Name	99% Isopropyl Alcohol
CAS Number	67-63-0
Chemical Name	2-Propanol; Isopropanol; sec-Propyl Alcohol; IPA
Molecular Formula	C ₃ H ₈ O MW: 60.10 g/mol
Purity	≥99.0% (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	0.786 g/mL at 25°C
Odor	Characteristic alcohol odor	Solubility	Completely miscible with water
Boiling Point	82.5°C (180.5°F) at 1 atm	LEL / UEL	2.0% / 12.7% in air
Flash Point	11.7°C (53°F) — Closed Cup	Vapor Density	2.1 (air = 1)
Auto-ignition	399°C (750°F)	Evaporation Rate	Faster than butyl acetate
Vapor Pressure	44 hPa at 20°C	pH	Neutral (~7.0)

SECTION 3: QUALITY SPECIFICATIONS

IPA Content	≥99.0% (w/w)
Water Content	≤1.0%
Color	Clear, colorless — water-white
Odor	Characteristic — no foreign odors
Non-volatiles	≤0.001 g per 100 mL
Acidity/Alkalinity	Neutral

SECTION 4: APPLICATIONS & USAGE

Electronics Cleaning	Industry standard for PCB cleaning, flux removal, and contact cleaning. Leaves no residue on rapid evaporation.
Industrial Degreasing	Effective degreaser for metals, glass, and most plastic surfaces.
Laboratory Solvent	General purpose analytical solvent. Compatible with most lab equipment.
Surface Disinfection	99% IPA is effective against bacteria, viruses, and fungi. For skin/wound disinfection, 70% IPA is generally preferred.

Cleaning Concentration Use full strength (99%) for electronics and moisture-sensitive surfaces. Dilute to 70% for general surface disinfection.

Compatibility Compatible with most metals, glass, and many plastics. May attack some rubber, certain plastics, and painted surfaces — test first.

SECTION 5: STORAGE & HANDLING

Storage Cool, dry, well-ventilated area away from heat and ignition sources. Keep tightly sealed. Store away from oxidizing agents.

Shelf Life Minimum 2 years when stored properly in original sealed containers.

Containers Compatible with stainless steel, glass, HDPE. Avoid copper, brass, and galvanized materials for long-term storage.

SECTION 6: REGULATORY & SAFETY SUMMARY

■ **SAFETY NOTE:** HIGHLY FLAMMABLE liquid and vapor (GHS Category 2, H225). Flash point 11.7°C (53°F). Keep away from heat, sparks, and ignition sources. Refer to SDS for complete hazard information.

GHS Signal Word DANGER

Key Hazards H225: Highly 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.