

PRODUCT IDENTIFICATION



Product Name: Isopropyl Alcohol 60% USP Grade

CAS Number: 67-63-0

Molecular Formula: C₃H₈O

Molecular Weight: 60.10 g/mol

Grade: USP Grade

Purity / Concentration: 60%

Synonyms: Not Available

PRODUCT OVERVIEW

Isopropyl Alcohol 60% USP Grade is a high-purity, clear, and colorless solvent suitable for a variety of laboratory and industrial applications. This 60% concentration provides a reliable, balanced solution for sanitization and extraction processes, meeting the stringent quality standards required for USP-grade materials.

Grade Significance: USP Grade signifies that this product meets the rigorous purity and quality standards set by the United States Pharmacopeia, ensuring consistency and safety for sensitive applications.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid with alcohol odor	Form	Liquid
Boiling Point	82°C (180°F)	Melting / Freezing Point	-89°C (-128°F)
Flash Point	≥ 18.3 °C (65 °F), closed cup — bounded by the 70 % solution; an aqueous solution flashes higher as it is diluted. Class 3, PG II	Specific Gravity	0.891
Solubility	Fully miscible with water	Molecular Formula	C ₃ H ₈ O
Molecular Weight	60.10 g/mol		

APPLICATIONS

1. **Pharmaceutical Manufacturing** — Utilized as a high-quality solvent for the synthesis of active pharmaceutical ingredients and as a cleaning agent for precision equipment.
2. **Laboratory Research** — Serves as a standard reagent for analytical chemistry procedures and the sterilization of glassware or surfaces.
3. **Personal Care** — Functions as a key ingredient in the formulation of topical antiseptic products and cosmetic cleansers requiring USP compliance.
4. **Industrial Cleaning** — Effective for removing residue, oils, and contaminants from delicate electronic components and industrial machinery surfaces.
5. **Healthcare** — Applied as an effective surface disinfectant in clinical environments to maintain sterile conditions for medical instrumentation.

STORAGE & HANDLING

Due to its classification as a highly flammable liquid, this product must be stored in a cool, well-ventilated area away from heat, sparks, and open flames. Proper storage prevents the buildup of flammable vapors and ensures the integrity of the solution remains stable over time.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **Danger**



Hazard Statements:

- H225: Highly flammable liquid and vapour
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

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