

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

Alliance Chemical offers Isopropyl Alcohol 60% USP Grade, a high-quality, clear solvent suitable for a variety of professional and laboratory applications. This solution provides a consistent 60% concentration, ensuring reliability for your specific dilution or cleaning requirements.

Grade Significance: USP Grade signifies that the product meets the stringent quality and purity standards established by the United States Pharmacopeia, providing assurance of consistency 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 | 12°C (pure) | Specific Gravity | 0.891 |
| Solubility | Fully miscible with water | Molecular Formula | C ₃ H ₈ O |
| Molecular Weight | 60.10 g/mol | | |

APPLICATIONS

- Laboratory Research** — Used as a general-purpose solvent for cleaning glassware and preparing chemical solutions in controlled environments.
- Electronics Manufacturing** — Serves as a reliable cleaning agent for removing residues from delicate components and circuit boards without leaving significant moisture.
- Cosmetic Formulation** — Utilized as a base ingredient in the production of personal care products that require a regulated USP-grade alcohol component.
- Industrial Maintenance** — Applied for surface preparation and degreasing of equipment parts prior to coating or assembly processes.
- Printing and Graphics** — Functions as a fountain solution additive to manage ink viscosity and surface tension during high-speed printing operations.

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, or open flames. Proper containment prevents the accumulation of hazardous vapors, which can cause dizziness or eye irritation if ventilation is inadequate.

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 vapor [Danger Flammable liquids]
- H319: Causes serious eye irritation [Warning Serious eye damage/eye irritation]
- H336: May cause drowsiness or dizziness [Warning Specific target organ toxicity, single exposure; Narcotic effects]

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.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.