

### PRODUCT IDENTIFICATION



**Product Name:** Isopropyl Alcohol 50% USP Grade

**CAS Number:** 67-63-0

**Molecular Formula:** C<sub>3</sub>H<sub>8</sub>O

**Molecular Weight:** 60.10 g/mol

**Grade:** USP Grade

**Purity / Concentration:** 50%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Alliance Chemical offers high-quality Isopropyl Alcohol 50% USP Grade, a clear, colorless liquid formulated for versatile industrial and laboratory applications. This solution provides a consistent 50% concentration, ensuring reliability for your specific processes and sanitization needs.

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

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

*Certificate of Analysis data not available for this product.*

### PHYSICAL & CHEMICAL PROPERTIES

|                         |                                                |                                 |                                 |
|-------------------------|------------------------------------------------|---------------------------------|---------------------------------|
| <b>Appearance</b>       | Clear, colorless liquid with mild alcohol odor | <b>Form</b>                     | Liquid                          |
| <b>Boiling Point</b>    | 82°C (180°F)                                   | <b>Melting / Freezing Point</b> | -89°C (-128°F)                  |
| <b>Flash Point</b>      | 12°C (pure)                                    | <b>Specific Gravity</b>         | 0.91                            |
| <b>Solubility</b>       | Fully miscible with water                      | <b>Molecular Formula</b>        | C <sub>3</sub> H <sub>8</sub> O |
| <b>Molecular Weight</b> | 60.10 g/mol                                    |                                 |                                 |

### APPLICATIONS

- Laboratory Research** — Used as a reliable solvent for cleaning laboratory glassware and preparing surfaces for sensitive experiments.
- Pharmaceutical Manufacturing** — Utilized as a high-purity processing aid or solvent in the production of various pharmaceutical compounds.
- Industrial Cleaning** — Effective for light-duty surface degreasing and cleaning in facilities where a controlled alcohol concentration is required.
- Cosmetic Formulation** — Serves as an ingredient in personal care products where a lower concentration of alcohol is necessary for stability and efficacy.

### STORAGE & HANDLING

Proper storage is critical because this product is highly flammable, with a low flash point that poses a significant fire risk if exposed to heat or sparks. Containers must be kept tightly sealed in a cool, well-ventilated area to prevent the accumulation of flammable vapors and protect against accidental ignition.

## 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.*

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