

PRODUCT IDENTIFICATION



Product Name: Isopropyl Alcohol 60% Technical Grade

CAS Number: 67-63-0

Molecular Formula: C₃H₈O

Molecular Weight: 60.10 g/mol

Grade: Technical Grade

Purity / Concentration: 60%

Synonyms: Not Available

PRODUCT OVERVIEW

Isopropyl Alcohol 60% Technical Grade is a clear, colorless solvent formulated for general industrial and laboratory applications. This solution offers reliable performance for cleaning and processing tasks where a 60% concentration is required for effective chemical utility.

Grade Significance: Technical Grade indicates that this product is manufactured for general industrial use, providing a cost-effective solution where USP or ACS purity standards are not strictly required.

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

- Manufacturing** — Used as a versatile solvent for cleaning surfaces and machinery parts to remove oils and residues before assembly.
- Laboratory Research** — Serves as a standard reagent for general cleaning of glassware and equipment in a controlled research setting.
- Janitorial Services** — Functions as an effective ingredient in industrial-strength cleaning formulations for hard surfaces.
- Automotive** — Applied as a degreasing agent to prepare metal surfaces for painting or adhesive applications.
- Textile Industry** — Utilized as a solvent for specific dye processes and equipment maintenance to ensure optimal production flow.

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 sources and open flames. Proper containment is essential to prevent the accumulation of vapors, which can cause drowsiness or dizziness if inhaled in confined spaces.

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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