

PRODUCT IDENTIFICATION



Product Name: Isopropyl Alcohol 50% Technical Grade

CAS Number: 67-63-0

Molecular Formula: C₃H₈O

Molecular Weight: 60.10 g/mol

Grade: Technical Grade

Purity / Concentration: 50%

Synonyms: Not Available

PRODUCT OVERVIEW

Isopropyl Alcohol 50% Technical Grade is a versatile, clear, and colorless liquid solution widely utilized for industrial cleaning and laboratory applications. This concentration provides a balanced solvent profile suitable for general-purpose tasks where high-purity reagents are not required.

Grade Significance: Technical Grade indicates that the product is formulated for industrial and commercial use rather than medicinal or food-grade applications, making it a cost-effective solution for non-sensitive tasks.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

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

APPLICATIONS

- Industrial Cleaning** — Used as an effective solvent for removing light oils, residues, and grime from machinery and hard surfaces.
- Laboratory Operations** — Functions as a general-purpose cleaning agent for glassware and laboratory equipment to ensure a residue-free environment.
- Automotive Maintenance** — Applied for degreasing automotive parts and cleaning surfaces prior to the application of adhesives or coatings.
- Janitorial Services** — Utilized in commercial cleaning solutions for its rapid evaporation rate and ability to sanitize non-porous surfaces.

STORAGE & HANDLING

Due to its high flammability, this product must be stored in a cool, well-ventilated area away from heat sources, sparks, 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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