

PRODUCT IDENTIFICATION

**Product Name:** Hydrochloric Acid 15% ACS Grade**CAS Number:** 7647-01-0**Molecular Formula:** ClH**Molecular Weight:** 36.46 g/mol**Grade:** ACS Grade**Purity / Concentration:** 15%**Synonyms:** Not Available

PRODUCT OVERVIEW

Alliance Chemical offers high-quality 15% Hydrochloric Acid in an ACS Grade formulation, ensuring reliable performance for laboratory and industrial applications. This clear, colorless liquid is precisely balanced for consistency and safety in sensitive chemical processes.

Grade Significance: ACS Grade indicates that this product meets the high-purity standards set by the American Chemical Society, ensuring it is suitable for critical analytical and research applications where consistent quality is required.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless to light yellow liquid	Form	Liquid
Boiling Point	~102 °C (dilute aqueous)	Melting / Freezing Point	~ -30 °C (dilute aqueous)
Flash Point	Not applicable	Specific Gravity	1.075
Solubility	Fully soluble in water	Molecular Formula	ClH
Molecular Weight	36.46 g/mol		

APPLICATIONS

- Analytical Chemistry** — Used as a standard reagent for pH adjustment and sample preparation in laboratory testing environments.
- Water Treatment** — Applied in the neutralization of alkaline wastewater to maintain regulatory compliance and water quality standards.
- Metal Processing** — Utilized for pickling and cleaning metal surfaces to remove scale and oxides prior to plating or coating processes.
- Pharmaceutical Manufacturing** — Serves as an essential reactant in the synthesis of pharmaceutical intermediates and active ingredients.
- Food Processing** — Employed in food-grade applications for protein hydrolysis and the production of various food additives.

STORAGE & HANDLING

Due to its corrosive nature and potential for respiratory irritation, this acid must be stored in a cool, well-ventilated area away from incompatible bases and metals. Proper containment prevents hazardous fumes and skin contact, ensuring the integrity of the container and safety of the facility.

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:

- H314: Causes severe skin burns and eye damage
- H335: May cause respiratory irritation

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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