

PRODUCT IDENTIFICATION

**Product Name:** Phosphoric Acid 15% ACS Grade**CAS Number:** 7664-38-2**Molecular Formula:** $\text{H}_3\text{O}_4\text{P}$ **Molecular Weight:** 97.995 g/mol**Grade:** ACS Grade**Purity / Concentration:** 15%**Synonyms:** Not Available

PRODUCT OVERVIEW

Alliance Chemical offers high-quality Phosphoric Acid 15% in an ACS Grade concentration, providing a reliable solution for precise laboratory and industrial applications. This clear, colorless liquid is manufactured to meet rigorous standards, ensuring consistent performance for your critical chemical processes.

Grade Significance: ACS Grade signifies that this product meets the strict purity standards established by the American Chemical Society, ensuring it is suitable for high-precision analytical and laboratory work.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid	Form	Liquid
Boiling Point	158°C (85%)	Melting / Freezing Point	21°C (pure)
Specific Gravity	1.087	Solubility	Fully miscible with water
Molecular Formula	$\text{H}_3\text{O}_4\text{P}$	Molecular Weight	97.995 g/mol

APPLICATIONS

- Analytical Chemistry** — Used as a reagent in laboratory settings for precise pH adjustment and chemical analysis.
- Metal Finishing** — Serves as an effective cleaning agent for removing surface oxides and preparing metal substrates for further treatment.
- Water Treatment** — Utilized to control mineral scaling and maintain optimal pH levels in industrial water systems.
- Pharmaceutical Manufacturing** — Functions as a buffering agent or intermediate in the synthesis of various pharmaceutical compounds.
- Food Processing** — Applied in controlled environments for equipment sanitation and as a food-grade acidulant where permitted.

STORAGE & HANDLING

Proper storage is essential to maintain the stability of the solution and protect personnel from the corrosive hazards associated with this acid. Because it causes severe skin burns and eye damage, containers must be stored in a cool, well-ventilated area with secondary containment to prevent accidental exposure or environmental release.

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

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

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