

PRODUCT IDENTIFICATION

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

PRODUCT OVERVIEW

Alliance Chemical offers high-quality Phosphoric Acid 15% in a Food Grade concentration, providing a reliable solution for various industrial and laboratory processes. This clear, colorless liquid is formulated for consistent performance and safety, ensuring it meets the rigorous standards required for food-grade applications.

Grade Significance: Food Grade designation ensures the product meets strict purity standards, confirming it is free from harmful contaminants and safe for use in processes involving food or beverage production.

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

- Food and Beverage** — Used as an acidulant to control pH levels and enhance the flavor profile in various food products and carbonated beverages.
- Water Treatment** — Acts as a sequestering agent to prevent corrosion and mineral buildup within municipal and industrial water distribution systems.
- Dairy Processing** — Functions as a highly effective cleaning and sanitizing agent for equipment, helping to remove mineral deposits and milkstone.
- Laboratory Research** — Serves as a precise pH buffer and reagent in analytical chemistry procedures requiring controlled acidic conditions.
- Metal Finishing** — Utilized in metal treatment processes to etch surfaces and prepare components for coating, cleaning, or rust prevention.

STORAGE & HANDLING

Proper storage is critical because Phosphoric Acid 15% is classified as a corrosive material that can cause severe skin burns and eye damage. It must be stored in a cool, well-ventilated area in original, compatible containers to prevent accidental reactions, leaks, or exposure to incompatible substances.

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.

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