

### PRODUCT IDENTIFICATION



**Product Name:** Phosphoric Acid 15% Technical Grade

**CAS Number:** 7664-38-2

**Molecular Formula:** H<sub>3</sub>O<sub>4</sub>P

**Molecular Weight:** 97.995 g/mol

**Grade:** Technical Grade

**Purity / Concentration:** 15%

**Synonyms:** Not Available

### PRODUCT OVERVIEW

Alliance Chemical offers 15% Phosphoric Acid in a reliable Technical Grade formulation, ideal for various industrial and laboratory applications. This clear, colorless liquid provides a consistent concentration of 1.087 specific gravity to ensure predictable chemical reactions in your processes.

**Grade Significance:** Technical Grade signifies that this product is manufactured for industrial and commercial use where high chemical utility is required, though it is not intended for food or pharmaceutical applications.

### CERTIFICATE OF ANALYSIS — TYPICAL VALUES

*Certificate of Analysis data not available for this product.*

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless liquid	<b>Form</b>	Liquid
<b>Boiling Point</b>	158°C (85%)	<b>Melting / Freezing Point</b>	21°C (pure)
<b>Specific Gravity</b>	1.087	<b>Solubility</b>	Fully miscible with water
<b>Molecular Formula</b>	H <sub>3</sub> O <sub>4</sub> P	<b>Molecular Weight</b>	97.995 g/mol

### APPLICATIONS

- Metal Finishing** — Used as a rust remover and metal cleaner to prepare surfaces for painting or coating applications.
- Water Treatment** — Serves as a pH adjuster to maintain optimal water quality and prevent scale buildup in industrial piping systems.
- Cleaning and Sanitation** — Acts as an effective descaling agent to remove mineral deposits and lime scale from industrial equipment.
- Laboratory Research** — Utilized as a common reagent for pH regulation and chemical synthesis in controlled laboratory environments.
- Textile Manufacturing** — Applied in the dyeing and finishing process to assist in the stabilization and application of dyes to fabrics.

### STORAGE & HANDLING

Due to its corrosive nature and classification as a skin and eye hazard, this product must be stored in a cool, well-ventilated area away from incompatible materials. Proper containment prevents dangerous reactions and ensures the longevity of the chemical integrity.

## 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 [Danger Skin corrosion/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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