

PHOSPHORIC ACID 75% 80% 85%
FOOD CHEMICALS CODEX GRADE

DESCRIPTION	The phosphoric acids described in this data sheet cover a range of strengths from 75% to 85% phosphoric acid. Phosphoric acids are clear solutions. It complies with the NSF International Standard No. 60, and has been certified for the use in the treatment of drinking water at a maximum dosage of 12 mg/L at 85% H ₃ PO ₄ equivalent strength.
USES	<u>Food</u> ✓ Acidulation of soft drinks, particularly cola. ✓ Manufacture of cottage and processed cheese, fats, shortenings; pH control in manufacture of imitation jellies; nutrient in production of yeast. ✓ Control of bacteria growth in selected processed foods. ✓ Flocculation agent for clarification of sugar juices after timing process. ✓ Manufacture of phosphate salts. <u>Drinking Water</u> ✓ Corrosion control (lead and copper control)
NOMENCLATURE	Phosphoric Acid
CAS NUMBER	7664-38-2
CAS INDEX NAME	Phosphoric Acid
CERTIFICATES	Includes Kosher, NAFTA, NSF, Halal and others
GRADE	Food Chemicals Codex (current)
SHIPPING POINTS	Nashville, TN Chicago, IL Geismar, LA Fairless Hills, PA Pt. Maitland, ON
RETEST DATE	60 months

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CONTAINERS	Tank Trucks Tank Cars 15 and 55 gal Rigid Polyethylene Drums
MINIMUM ORDER	For container and pricing information, please call Customer Service at 800-243-5052.
STORAGE	Phosphoric Acid is corrosive. Avoid freezing conditions. Store in tight containers at above product freezing points (see Typical Properties).

SPECIFICATIONS**PHOSPHORIC ACID STRENGTHS**

Phosphoric Acid (H ₃ PO ₄)	75% min	80% min	85% min
Arsenic (As)	3 ppm max	3 ppm max	3 ppm max
Cadmium (Cd)	3 ppm max	3 ppm max	3 ppm max
Fluoride (F)	10 ppm max	10 ppm max	10 ppm max
Lead (Pb)	3 ppm max	3 ppm max	3 ppm max

TYPICAL PROPERTIES**PHOSPHORIC ACID STRENGTHS**

Phosphoric Acid (H ₃ PO ₄)	75%	80%	85%
Degrees Baume (25° /15.5 ° /C)	53.0	56.2	59.1
Pounds per gal. (20° C)	13.16	13.61	14.08
Freezing Point (°C)*	-17.5	4.6	21.1

*Freezing points are theoretical values since the acids possess the property of supercooling without crystallizing.

Other strengths are available.

9/12/12