

TECHNICAL DATA SHEET

Phosphoric Acid | CAS 7664-38-2

1. Product Identification

Product Name	Phosphoric Acid
CAS Number	7664-38-2
Synonyms	Orthophosphoric acid, H3PO4, Phosphoric(V) acid
Category	Acid
Available Grades	Technical/85%/Food Grade/LR/AR
HSN Code	2809.20
UN Number	UN1805

2. Physical & Chemical Properties

Molecular Formula	H ₃ PO ₄
Molecular Weight	98.00
Appearance	Colourless viscous liquid
Density	1885 kg/m ³
Boiling Point	158°C
Melting Point	21°C
Flash Point	None
Solubility	Miscible with water

3. Applications

• Fertilizer • Food additive (E338) • Rust converter • Dental etchant • Semiconductor cleaning • Pharmaceutical excipient

4. Industries Served

Food, Agriculture, Chemical, Electronics, Research

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.