



# Technical Data Sheet

## Phosphoric Acid 85%

<b>Chemical Formula</b>	: $H_3PO_4$
<b>Molecular Weight</b>	: 97.99 g/mol
<b>EC No.</b>	: 231-633-2
<b>CAS No.</b>	: 7664-38-2

### General Information:

Phosphoric acid (orthophosphoric acid, monophosphoric acid or phosphoric(V) acid) is a colorless, odorless phosphorus-containing solid, and inorganic compound with the chemical formula  $H_3PO_4$ . It is commonly encountered as an 85% aqueous solution, which is a colourless, odourless, and non-volatile syrupy liquid. It is a major industrial chemical, being a component of many fertilizers.

### Specification:

Physical description	Clear, colourless liquid
Lead (Pb)	≤ 0.5ppm
Arsenic (As)	≤ 0.5ppm
Fluorine (F)	≤ 10ppm
Cadmium (Cd)	≤ 0.2ppm
Mercury (Hg)	≤ 0.05ppm
Heavy metals (as Pb)	≤ 5ppm
Iron (Fe)	≤ 5ppm
Copper (Cu)	≤ 1ppm
Nickel (Ni)	≤ 1ppm
Chlorine (Cl)	≤ 10ppm
Sulphate ( $SO_4$ )	≤ 350ppm
Volatile Acids	≤ 10ppm (as acetic acid)
Nitrates	≤ 5ppm (as $NaNO_3$ )
Density	1.7 g/cm <sup>3</sup> (20°C)

### Packing:

20 ltr pails, 220 ltr drums, 1000 ltr IBC.

### Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.