



Product Specification

Product Name: ORTHOPHOSPHORIC ACID 85% TG

Alternate Name(s)

Description

Colourless odourless syrupy liquid.

Properties

Chemical Formula: H_3PO_4

Molecular Weight: 98.00

Product Code: PT000

CAS No. 7664-38-2

General Information:

Soluble in water and alcohol. Corrosive to ferrous metals and alloys.

Hazard and Safety Data

UN Group: III
Class: 8
UN Number: 1805
Hazchem code: 2R
CS MSDS Code: 1CH4S
Poison schedule: S6
Emergency
Procedure Guide No.: 37

Quality Specification

Assay: 85.0% min.

Specific Properties and Impurities [Typical levels]:

Freezing point	23°C
Density	1.71 g/ml (approx)
Colour APHA	≤ 20
Easily oxidated matter	≤ 0.04%
Chloride (Cl)	≤ 0.0005%
Sulfate (SO ₄)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.001%
Arsenic (As)	≤ 0.005%
Iron (Fe)	≤ 0.002%

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