



# Product Specification

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## ORTHO PHOSPHORIC ACID FOR HPLC

PRODUCT CODE	763215
SYNONYMS	--
C.I. NO.	
CASR NO.	(7664-38-2)
ATOMIC OR MOLECULAR FORMULA	H <sub>3</sub> PO <sub>4</sub>
ATOMIC OR MOLECULAR WEIGHT	98.00
PROPERTIES	--



PARAMETER	LIMIT
Description	A clear viscous liquid, not more than 10 hazen unit in colour.
Solubility	Miscible with water forming clear and colourless solution.
Minimum assay (Acidimetric)	85.0%
Wt. per ml (at 25°C)	About 1.70 g

MAXIMUM LIMIT OF IMPURITIES	
Chloride (Cl)	0.002%
Sulphate (SO <sub>4</sub> )	0.01%
Iron (Fe)	0.001%
Heavy metals (Pb)	0.002%
Absorption maxima in 1 M solution	
At 210 nm	0.07
At 220 nm	0.05
At 230 nm	0.04
At 250 nm	0.04
At 500 nm	0.02

**Note(s) : Assay (if applicable) method mentioned.**

<b>DANGER</b> <b>HAZARD STATEMENTS</b> :Toxic if inhaled. Harmful if swallowed. May becorrosive to metals. Causes severe skin burns and eye damage. Toxic to aquaticlife. Harmful to life in the soil. <b>PRECAUTIONARY STATEMENTS</b> : <b>Prevention</b> :Wash hands thoroughly after handling. Do not eat, drink or smokewhen using this product.Avoid breathing. dust/fume/gas/mist/vapours/spray. Donot breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a wellventilated area. Wear protective gloves/clothing and eye/face protection. Do not breathe dust or mist. Wash thoroughly after handling. <b>Response</b> :IF IN EYES: Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing. IFSWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air andkeep at rest in a position comfortable for breathing.Wash contaminated clothingbefore reuse.Keep container tightly closed. Specific treatment: refer to Label orMSDS. If on skin or hair: remove/take off immediately all contaminated clothing.Rinse with water/shower. Absorb spillage to prevent material damage. Call aPOISON CENTER or doctor/physician if you feel unwell.	IMDG Code : 8/III UN No. : 1805 IATA : 8
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**Disposal:** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%.Neutralize with 5% sodium hydroxide soln. and run to waste with large volumes of running water.

Hazard Pictogram(s) :--



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GHS06



GHS05



GHS09

Replace date 03-Dec-2025