



## Product Specification

### ORTHO-PHOSPHORIC ACID

<b>PRODUCT CODE</b>	<b>037137</b>
<b>SYNONYMS</b>	<b>(Phosphoric Acid)</b>
<b>C.I. NO.</b>	<b>N/A</b>
<b>CASR NO.</b>	<b>7664-38-2</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>H<sub>3</sub>PO<sub>4</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>98.00</b>
<b>PROPERTIES</b>	<b>Store above 30°C, If becomes solid, warming to 50°C makes liquid again.</b>



PARAMETER	LIMIT
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Description	A clear viscous liquid, not more than 10 Hazen units in colour.
Solubility	Miscible with water forming clear and colourless solution.
Minimum assay (acidimetric)	Abt. 85.0%
Wt. per ml at 30°C	About 1.70 g

#### MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl)	0.005%
Nitrate (NO <sub>3</sub> )	0.002%
Sulphate (SO <sub>4</sub> )	0.01%
Aluminium & Calcium	Passes test
Iron (Fe)	0.01%

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

#### DANGER

**HAZARD STATEMENTS :** Toxic if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. Toxic to aquatic life. Harmful to life in the soil.

#### PRECAUTIONARY STATEMENTS :

**Prevention :** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wear protective gloves/clothing and eye/face protection. Do not breathe dust or mist. Wash thoroughly after handling.

**Response :** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. Keep container tightly closed. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage. Call a POISON CENTER or doctor/physician if you feel unwell.

**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.

IMDG Code : 8/II

UN No. :  
1805

IATA : 8

Hazard Pictogram(s) :-



Acute toxicity



Corrosive to metals



Hazardous to the aquatic environment