



Product Specification

cdhfinechemical.com

ortho-PHOSPHORIC ACID (ALSO FOR STEEL INDUSTRY)

PRODUCT CODE	029420
SYNONYMS	Phosphoric acid 88%
C.I. NO.	N/A
CASR NO.	7664-38-2
ATOMIC OR MOLECULAR FORMULA	H ₃ PO ₄
ATOMIC OR MOLECULAR WEIGHT	98.0
PROPERTIES	Store above 30° C, If becomes solid, warming to 50°C makes liquid again.



PARAMETER	LIMIT
Description	A clear viscous liquid, not more than 10 Hazen units in colour.
Solubility	Miscible with water, forming clear & colourless solution.
Minimum assay (Acidimetric)	About 88.0%
Wt. per ml at 30°C	About 1.75 g

MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl)	0.005%
Nitrate (NO ₃)	0.002%
Sulphate (SO ₄)	0.01%
Aluminium & Calcium	Passes test.
Iron (Fe)	0.01%
Manganese (Mn)	0.0005%
Arsenic (As)	0.0002%
Heavy metals (as Pb)	0.002%

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.

Hazard Pictogram(s) :-



GHS06



GHS05



GHS09

Replace Date 03-Dec-2025