





Product Specification

cdhfinechemical.com

tri-SODIUM ORTHO PHOSPHATE-12-HYDRATE AR

PRODUCT CODE	645495	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(10101-89-0)	
ATOMIC OR MOLECULAR FORMULA	Na₃PO₄.12H₂O	
ATOMIC OR MOLECULAR WEIGHT	380.13	Na₃PO₄.12H₂O
PROPERTIES	Non-flammable.	
PARAMETER	LIMIT	
Description	Colourless crystals or crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay(Acidimetric)	98.0 – 102.0%	
Phosphate (as P ₂ O ₅)	Min.18.3%	
MAXIMUM LIMIT OF IMPURITIES		
Insoluble matter	0.01%	
Free alkali (as NaOH)	2.5%	
Chloride (Cl)	0.005%	
Nitrogen compounds (N)	0.001%	
Sulphate (SO ₄)	0.005%	
Iron (Fe)	0.001%	
Heavy metals (as Pb)	0.001%	
Note(s) : Assay (if applicable) method mentioned.		
DANGER Hazard statements :Causes severe skin burns and eye damage. Harmful to life inthe soil. Precautionary statements Prevention: Wear protective gloves/clothing and eye/face protection. Washthoroughly after handling. Do not breathe dust or mist. Response: Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiouslywith water for several minutes. Remove contact lenses, if present and easy to do.Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If onskin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. IF INHALED: Remove to fresh air and keep at rest in a positioncomfortable for breathing. Immediately call a POISON CENTER or doctor/physician.		IMDG Code : 8/III UN No. : 3262 ATA : 8
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.		
Hazard Pictogram(s) :		
 		
<p>GHS05 GHS09</p>		

Replace Date 16-Apr.-2026