



Product Specification

cdhfinechemical.com

TRI-SODIUM ORTHO PHOSPHATE-12-HYDRATE

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|------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| PRODUCT CODE | 030193 | |
| SYNONYMS | -- | |
| C.I. NO. | -- | |
| CASR NO. | (10101-89-0) | |
| ATOMIC OR MOLECULAR FORMULA | Na₃PO₄ · 12H₂O | Na₃PO₄ · 12H₂O |
| ATOMIC OR MOLECULAR WEIGHT | 380.13 | |
| PROPERTIES | Non-flammable. | |

| PARAMETER | LIMIT |
|-----------------------------------------------|--------------------------------------------------|
| Description | Small colourless crystals or crystalline powder. |
| Solubility | 10% solution in water is clear and colourless. |
| Minimum Assay (Acidimetric) | 98.0% |
| Phosphate (as P ₂ O ₅) | Min.18.3% |

| MAXIMUM LIMIT OF IMPURITIES | |
|------------------------------------|-------|
| Free alkali (as NaOH) | 2.5% |
| Chloride (Cl) | 0.1% |
| Sulphate (SO ₄) | 0.05% |
| Iron (Fe) | 0.04% |

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

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| DANGER Hazard statements : May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. May cause long lasting harmful effects to aquatic life. Precautionary statements Prevention: Keep only in original container. Do not breathe dust/fume/gas/mist /vapours/spray.Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. | IMDG Code : 8/III UN No. : 3262 IATA : 8 |
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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) :



GHS05