



Product Specification

Product Name: tri-SODIUM ORTHOPHOSPHATE Dodecahydrate
AR

Alternate Name(s) Tri-sodium phosphate; tertiary sodium phosphate; sodium phosphate,
Description tribasic
Colourless or white crystals. Odourless.

Properties

Chemical Formula:

Molecular Weight: 380.12

Product Code: SA012

CAS No. 10101-89-0

General Information:

Soluble in water. Insoluble in alcohol. Loses 12H₂O @ 100 °C. Non-flammable.
Corrosive to Aluminium & many other metals. See MSDS 1CH78 for further safety & hazard information.

Quality Specification

Assay: 98.0-102.0%

Specific Properties and Impurities [Typical levels]:

pH of 1% solution	11.9
Excess alkali (as NaOH)	2.50%
Insoluble matter	0.01%
Chloride (Cl)	0.001%
Nitrogen compounds (as N)	0.001%
Sulfate (SO ₄)	0.01%
Heavy metals (as Pb)	0.001%
Iron (Fe)	0.001%

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH78
Poison schedule:	S5
Emergency	
Procedure Guide No.:	N/A

CONFORMS TO ACS

Chem-Supply Pty Ltd - An ISO 9001 Accredited Company

38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

Rev. No: