

Infosafe No™ 1CH2J      Issue Date : November 2020      RE-ISSUED by CHEMSUPP

Product Name **di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous**

Not classified as hazardous

## 1. Identification

**GHS Product Identifier** di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous

**Company Name** CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000

**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** Chemicals, fertilizers, pharmaceuticals, textiles (weighting silk, dyeing and printing), boiler-water treatment, fireproofing wood and paper, detergents, ceramic glazes, soldering enamels, tanning, galvanoplastics, cheese, dietary supplement, buffer, sequestrant in foods, analytical reagent and laboratory reagent.

<b>Other Names</b>	<u><b>Name</b></u>	<u><b>Product Code</b></u>
	di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous Granular AR Disodium hydrogen phosphate, Disodium orthophosphate, Disodium acid phosphate, Sodium phosphate dibasic, Disodium phosphate	SA204
	di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous Powder AR	SA026

### Other Information

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application 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 of 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 of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

**GHS classification of the substance/mixture** Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia.  
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

## 3. Composition/information on ingredients

<b>Ingredients</b>	<u><b>Name</b></u>	<u><b>CAS</b></u>	<u><b>Proportion</b></u>
	di-Sodium hydrogen orthophosphate anhydrous	7558-79-4	100 %

## 4. First-aid measures

**Inhalation** Remove victim to fresh air. Seek medical advice if effects persist.

**Ingestion** Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Skin** Wash affected areas with copious quantities of water immediately. If irritation occurs seek medical advice.

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**Eye contact**      Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.

**First Aid Facilities**      Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor**      Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**Other Information**      For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

## 5. Fire-fighting measures

**Suitable extinguishing media**      Use fire extinguishing media appropriate for surrounding environment. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Hazards from Combustion Products**      May liberate toxic fumes in fire including Phosphorous oxides and sodium oxides.

**Specific Methods**      Material does not burn. Use measures suitable for extinguishing surrounding fire.

**Decomposition Temp.**      240 °C - converted to sodium pyrophosphate

## 6. Accidental release measures

**Personal Precautions**      Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

**Personal Protection**      Wear protective clothing specified for normal operations (see Section 8)

**Clean-up Methods - Small Spillages**      Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

## 7. Handling and storage

**Precautions for Safe Handling**      Avoid substance contact and generation and inhalation of dust.

**Conditions for safe storage, including any incompatibilities**      Store in a cool, dry place. Keep containers closed at all times.

**Corrosiveness**      May be mildly corrosive to steel and aluminum.

## 8. Exposure controls/personal protection

**Other Exposure Information**      No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m<sup>3</sup>. All atmospheric contamination should be kept to as low a level as is workable.

**Appropriate engineering controls**      Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

**Respiratory Protection**      Usually is not required.  
Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels.

**Eye Protection**      The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Hand Protection**      Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

**Personal Protective Equipment**      Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand

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<b>Footwear</b>	or other approved standards. Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. Physical and chemical properties

<b>Form</b>	Solid
<b>Appearance</b>	White crystals or powder.
<b>Odour</b>	Odourless.
<b>Decomposition Temperature</b>	240 °C - converted to sodium pyrophosphate
<b>Solubility in Water</b>	Very soluble.
<b>Solubility in Organic Solvents</b>	Very slightly soluble in alcohol.
<b>Specific Gravity</b>	1.52
<b>Vapour Density (Air=1)</b>	4.9
<b>Flammability</b>	Non combustible material.
<b>Molecular Weight</b>	141.96
<b>Other Information</b>	Saline taste.

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable. Hygroscopic.
<b>Incompatible Materials</b>	Strong acids, strong oxidizing agents, alkaloids, antipyrine, chloral hydrate, lead acetate, pyrogallol and resorcinol.
<b>Hazardous Decomposition Products</b>	Phosphorous oxides and sodium oxides.
<b>Possibility of hazardous reactions</b>	May react violently in contact with strong acids.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat): 17000 mg/kg.
<b>Ingestion</b>	Ingestion of large amounts may cause diarrhea, nausea, vomiting and cramps.
<b>Inhalation</b>	Dust and mist may be irritating to nose, throat and mucous membranes. May cause coughing and choking.
<b>Skin</b>	May cause mild irritation.
<b>Eye</b>	May cause mild irritation.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.
<b>Germ cell mutagenicity</b>	Not classified based on available information.
<b>Carcinogenicity</b>	Not classified based on available information.

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<b>Reproductive Toxicity</b>	Not classified based on available information.
<b>STOT-single exposure</b>	Not classified based on available information.
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Chronic Effects</b>	Repeated or prolonged skin contact may cause chronic dermatitis.
<b>Mutagenicity</b>	Not classified based on available information.

## 12. Ecological information

<b>Persistence and degradability</b>	Biologic degradation: Methods for the determination of biodegradability are not applicable to inorganic substances.
<b>Information on Ecological Effects</b>	Depending on the concentration, phosphorus compounds may contribute to the eutrophication of water supplies.
<b>Short Summary of Assessment of Environmental Impact</b>	No ecological problems are to be expected when the product is handled and used with due care and attention.
<b>Environmental Protection</b>	Do not allow to enter waters, waste water, or soil!

## 13. Disposal considerations

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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## 14. Transport information

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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## 15. Regulatory information

<b>Regulatory Information</b>	All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
<b>Poisons Schedule</b>	Not Scheduled

## 16. Other Information

<b>Literature References</b>	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.' Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
<b>Contact Person/Point</b>	Paul McCarthy Ph. (08) 8440 2000 <b>DISCLAIMER STATEMENT:</b> All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for

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reliance on information provided in this data sheet or by our technical representatives.

**Empirical Formula  
& Structural  
Formula**

Na<sub>2</sub>HPO<sub>4</sub>

...End Of MSDS...

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