



Infosafe No™	1CH2J	Issue Date : December 2015	RE-ISSUED by CHEMSUPP
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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
Fax: (08) 8440-2001

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.

Other Names	Name	Product Code
	di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous Powder LR	SL026
	di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous Granular AR	SA204
	Disodium hydrogen phosphate, Disodium orthophosphate, Disodium acid phosphate, Sodium phosphate dibasic, Disodium phosphate di-SODIUM HYDROGEN ORTHOPHOSPHATE Anhydrous Powder AR	SA026

Other Information EMERGENCY CONTACT NUMBER: +61 08 8440 2000
Business hours: 8:30am to 5:00pm, Monday to Friday.

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.

Pictogram (s) Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
No symbol

3. Composition/information on ingredients

Chemical Characterization	Solid				
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	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. Give water to drink. DO NOT induce vomiting. Seek medical advice.

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

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.



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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 A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m³ for dusts when limits have not otherwise been established.

Appropriate engineering controls In industrial situations 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 Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

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 Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Plastic or rubber gloves.

Personal Protective Equipment Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

Footwear Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection 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.

Hygiene Measures 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

Form Solid

Appearance White crystals or powder.

Odour Odourless.



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Decomposition Temperature 240 °C - converted to sodium pyrophosphate**Solubility in Water** Very soluble.**Solubility in Organic Solvents** Very slightly soluble in alcohol.**Specific Gravity** 1.52**Vapour Density (Air=1)** 4.9**Flammability** Non combustible material.**Molecular Weight** 141.96**Other Information** Saline taste.**10. Stability and reactivity****Chemical Stability** Stable. Hygroscopic.**Incompatible Materials** Strong acids, strong oxidizing agents, alkaloids, antipyrine, chloral hydrate, lead acetate, pyrogallol and resorcinol.**Hazardous Decomposition Products** Phosphorous oxides and sodium oxides.**Possibility of hazardous reactions** May react violently in contact with strong acids.**Hazardous Polymerization** Will not occur.**11. Toxicological Information****Acute Toxicity - Oral** LD50 (rat): 17000 mg/kg.**Ingestion** Ingestion of large amounts may cause diarrhea, nausea, vomiting and cramps.**Inhalation** Dust and mist may be irritating to nose, throat and mucous membranes. May cause coughing and choking.**Skin** May cause mild irritation.**Eye** May cause mild irritation.**Carcinogenicity** No evidence of carcinogenic properties.**Chronic Effects** Repeated or prolonged skin contact may cause chronic dermatitis.**Mutagenicity** No evidence of mutagenic properties.**12. Ecological information****Persistence and degradability** Biologic degradation: Methods for the determination of biodegradability are not applicable to inorganic substances.**Information on Ecological Effects** Depending on the concentration, phosphorus compounds may contribute to the eutrophication of water supplies.**Short Summary of Assessment of Environmental Impact** No ecological problems are to be expected when the product is handled and used with due care and attention.**Environmental Protection** Do not allow to enter waters, waste water, or soil!**Acute Toxicity - Fish** LC50 (Gambusia affinis): 467 mg/l/48 h.**Acute Toxicity - Daphnia** EC50 (Daphnia magna): 1089 mg/l/48 h.**13. Disposal considerations****Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.**14. Transport information**



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Transport Information	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

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
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Poisons Schedule	Not Scheduled
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16. Other Information

Literature References	<p>'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia, February 2015.</p> <p>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.</p> <p>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.</p> <p>Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.</p> <p>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.</p> <p>Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.</p> <p>Safe Work Australia, 'Hazardous Substances Information System, 2005'.</p> <p>Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.</p> <p>Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.</p>
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Contact**Person/Point**

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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Empirical Formula & Structural Formula Na₂HPO₄

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