
MATERIAL SAFETY DATA SHEET

PRODUCT: DIAMMONIUM PHOSPHATE

PRODUCT IDENTIFICATION

UN No:	None Allocated	Packing Grp:	None Allocated
Hazchem Code:	None Allocated	Spec. EPG:	None Allocated
D.G. Class:	None Allocated	E.P.G:	None Allocated
Sub Risk:	None Allocated	Poisons Schedule:	None Allocated
Cas No:	7783-28-0.....>98%		
AS 1940 Combustible Classification: None Allocated			

Dangerous Goods Transport

Classification: Not designated a Dangerous good by the A.D.G Code (Road & Rail).

Hazard

Classification: Non hazardous according to criteria of Worksafe Australia.

Hazard Category: None Allocated

Risk Phrases: None Allocated

Safety Phrases: None Allocated

Tradenames: Di-Ammonium Phosphate
Use: Flameproofing, Fertiliser, Feed additive, Nutrient for yeast
Synonyms: Diammonium Hydrogen Phosphate, DAP, Ammonium Phosphate Dibasic

PHYSICAL DESCRIPTION/PROPERTIES

Appearance: White free flowing crystals or powder with a weak ammonia like odour.

Formula: (NH₄)₂HPO₄
Boiling Point: 100°c
Melting Point: Not Available
Flash Point: Not Available
Explosive Limits: Not Available
Molecular Weight: Not Available
Specific Gravity: 1.62
Vapour Pressure: Not Available
pH: 8
Form: Solid
Other Physical Data: Soluble in water. 58g/100ml

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HEALTH HAZARD INFORMATION

ACUTE AFFECTS

Eye:	May be an eye irritant.
Skin:	Contact with skin may result in irritation.
Inhaled:	Inhalation of dust may result in respiratory irritation.
Swallowed:	No adverse effects expected, however large amounts may cause nausea and vomiting.
Chronic affects:	No information available for this product.

FIRST AID

Eye:	Eyelids to be held open. Wash continuously with water for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.									
Skin:	Wash affected areas with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice if irritation occurs.									
Inhaled:	Remove victim to fresh air. Avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Seek medical advice.									
Swallowed:	Rinse mouth with water. Immediately contact Poisons Information Centre on 131126 (Aust. Wide). Give water to drink. <u>DO NOT</u> induce vomiting. If vomiting occurs give further water to achieve effective dilution. Seek medical assistance.									
Advice to Doctor:	Treat symptomatically.									
Toxicity Data:	<table> <tr> <td>Oral LD50 (rat)</td> <td>=</td> <td>Not available</td> </tr> <tr> <td>Dermal LD50</td> <td>=</td> <td>Not available</td> </tr> <tr> <td>Inhalation LC50</td> <td>=</td> <td>Not available</td> </tr> </table>	Oral LD50 (rat)	=	Not available	Dermal LD50	=	Not available	Inhalation LC50	=	Not available
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PRECAUTIONS FOR USE

Exposure Standards:

No TWA/STEL value for this specific material is available by the National Occupational Health and Safety Commission, (NOHSC), however

TWA = 10 mg/m³ nuisance particulate (Total dust) should apply

STEL = Not available

***TWA is the Time Weighted Average** concentration of the work atmosphere for a normal 8-hour day and a 40 hour week, to which nearly all workers can be repeatedly exposed, day after day, without adverse effect.*

***STEL - Short Term Exposure Limit** is the average airborne concentration over a fifteen minute period which should not be exceeded at any time during a normal eight hour work day.*

***PL - PEAK LIMITATION** (For some rapidly acting substances and irritants, the average of airborne concentration over an eight hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed. An analytically practicable period of time which does not exceed 15 minutes).*

Engineering Controls:

Use in well ventilated area.
Avoid generating and inhaling dusts.
Keep containers closed when not in use.

Personal Protection:

Wear safety goggles/glasses, chemically resistant P.V.C or nitrile rubber gloves, protective clothing and protective footwear.
If dusts exist, wear a particulate type respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Always wash hands before smoking, eating, drinking or using the toilet.

Flammability:

Material is non flammable.

Other precautions:

Avoid product from exposure to air and excess heat.

SAFE HANDLING INFORMATION

Storage:

Store in a cool, dry place away from direct sunlight.
Store in a well ventilated area. Check regularly for spills or leaks.
Keep containers closed when not in use.
Not a designated Scheduled Poison.

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SAFE HANDLING INFORMATION CONTINUED:

Spills and Disposals:

Sweep up, but avoid generating dusts.
 Contain, do not allow product to enter drains and waterways.
 Use absorbent sand, soil, vermiculite or other inert material.
 Collect and seal in properly labelled drums for disposal to an Approved Trade Waste Facility.
 Wash down with excess water (if permissible).

Reactivity Data:

Incompatible with Sodium Hypochlorite.

Fire/Explosion Hazard:

Non flammable material. However, if involved in a fire, may release toxic fumes of decomposition including those of Ammonia and Phosphorous oxides.
 Fire fighters to wear self contained breathing apparatus if risk of exposure to product of combustion or decomposition.

Extinguishing Media:

Jets, Fog (or if unavailable, fine water spray), Foam or Dry Agent (carbon dioxide, dry chemical powder).

ADDITIONAL INFORMATION

EMERGENCY CONTACT

ORGANISATION	LOCATION	TELEPHONE	ASK FOR
VIVAL CHEMICALS PTY. LTD.	14 THOMAS ROAD LAVERTON NORTH	BH: 03 9360 9800 AH: 0417 374 389	KIERON VALE
POISONS INFORMATION CENTRE	ROYAL CHILDRENS HOSPITAL PARKVILLE		Ph: 13 1126

000 POLICE, FIRE BRIGADE AND AMBULANCE

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