


### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	DAP
<b>Other Names:</b>	Diammonium phosphate, Diammonium hydrogen phosphate
<b>Product Code:</b>	3000000
<b>Recommended Use:</b>	Fertiliser
<b>Restrictions of Use:</b>	Refer to Section 15
<b>Company Identification:</b>	Ravensdown Limited
<b>Address:</b>	292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011
<b>Customer Centre:</b>	0800 100 123
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Phone Number:</b>	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
<b>Transport Emergency Phone Number:</b>	111 - tell operator what service is needed: Fire, Ambulance or Police
<b>Date of SDS Preparation</b>	17 April 2023

### Section 2: HAZARD IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

<b>EPA Approval No:</b>	Fertilisers (subsidiary) – HSR002571
<b>Pictograms:</b>	
<b>Signal Word:</b>	Warning

GHS Classification and Category	Hazard Code	Hazard Statement
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P362	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

P337 + P313	If eye irritation persists: Get medical advice/attention.
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<b>Storage Code</b>	<b>Storage Statement</b>
None Allocated	

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

**Section 3: COMPOSITION INFORMATION**

INGREDIENT	CAS No.	CONTENT %
Diammonium hydrogen phosphate	7783-28-0	100%

**Section 4: FIRST AID MEASURES**

<b>Routes of Exposure:</b>	
<b>If in eyes:</b>	Flush with plenty of water for several minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical advice.
<b>If on skin:</b>	Take off contaminated clothing and wash it before reuse. Wash skin with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
<b>If ingested:</b>	Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>If inhaled:</b>	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms:</b>	Refer to Section 11
<b>Eyes:</b>	Causes serious eye irritation.
<b>Skin:</b>	Causes skin irritation.
<b>Ingested:</b>	Not applicable.
<b>Inhaled:</b>	Not applicable.
<b>Chronic:</b>	Not applicable.
<b>Advice to Doctor:</b>	Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

<b>Hazard Type</b>	Not flammable or combustible.
<b>Hazards from combustion products</b>	May evolve ammonia, phosphorous and nitrogen oxides when heated to decomposition.
<b>Suitable Extinguishing media</b>	Use media suitable for surrounding materials.
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective gear.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6: ACCIDENTIAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures:</b>
Wear appropriate protective clothing. Exclude non-essential people from the area.
<b>Environmental precautions:</b>
Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.
<b>Methods and material for containment and cleaning up:</b>
Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible. Dispose as per Section 13.

## Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Read carefully and follow all instructions. Wash hands thoroughly after handling. Wear protective clothing as detailed in Section 8. Avoid contact with skin, eyes and inhalation. Wash hands thoroughly after use. Do not eat, drink or smoke whilst using this product.
<b>Storage:</b>	Store away from incompatible materials listed in Section 10. Store in a secure area.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION


### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm mg/m <sup>3</sup>	STEL ppm mg/m <sup>3</sup>
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No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices April 2022 13<sup>TH</sup> EDITION.

<b>Engineering Controls:</b>	Handle in well ventilated area. Minimise generation of airborne dust.
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<b>Personal Protection Equipment:</b>	
	
<b>Eyes:</b>	Wear close fitting safety glasses or goggles to prevent dust getting in eyes. Ensure eye wash facilities should be available.
<b>Skin/Hands:</b>	Wear protective clothing and gloves where there is a risk of moderate to high skin contamination from product.
<b>Respiratory:</b>	Wear particulate respirator where there is a risk of breathing in moderate to high levels of airborne dust.
<b>General:</b>	Do not eat, drink or smoke when handling this product. Remove contaminated protective clothing and wash hands and face before meals and after work.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Granules
<b>Colour</b>	Grey, brown, black, cream
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	8.0 (1% solution @ 20°C)
<b>Boiling Point</b>	N/A decomposes before boiling
<b>Melting Point</b>	Decomposes before melting
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available

Vapour Density	Not available
Specific Gravity	1.62
Bulk Density	950-1,100kg/m <sup>3</sup>
Water Solubility	Soluble. 575 g/l @ 10°C
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Granulometrics (mm)	Not available

### Section 10: STABILITY AND REACTIVITY

Stability of Substance	Stable under normal conditions.
Possibility of hazardous reactions	Not data available.
Conditions to Avoid	Moisture.
Incompatible Materials	Strong acids and bases.
Hazardous Decomposition Products	May evolve ammonia, nitrogen & phosphorous oxides when heated to decomposition.

### Section 11: TOXICOLOGICAL INFORMATION

#### Acute Effects:

Swallowed	Not applicable however Ingestion of large quantities. May lead to nausea, vomiting and gastrointestinal irritation. LD50 (Oral): 3000 mg/kg (rat)
Dermal	Not applicable
Inhalation	Not applicable
Eye	Causes serious eye irritation. Contact may result in irritation, lachrymation, pain and redness.
Skin	May cause skin irritation. Prolonged and repeated skin exposure may result in irritation, skin rash and dermatitis.

#### Chronic Effects:

Carcinogenicity	Not applicable
Reproductive Toxicity	Not applicable
Germ Cell Mutagenicity	Not applicable
Aspiration	Not applicable
STOT/SE	Not applicable
STOT/RE	Not applicable

### Section 12: ECOLOGICAL INFORMATION

The mixture is not hazardous to the environment.

Persistence and degradability	No data available.
Bioaccumulation	No data available
Mobility in Soil	No data available.
Other adverse effects	No data available

### Section 13: DISPOSAL INFORMATION

Disposal Method:	Reuse or recycle where possible. If practicable apply excess fertiliser at recommended rates to appropriate land. Observe any local authority restrictions that may apply. Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.
Precautions or methods to avoid:	None known.

### Section 14: TRANSPORT INFORMATION

## Section 15: REGULATORY INFORMATION

**This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

<b>EPA Approval Code:</b>	Fertilisers (subsidiary) – HSR002571
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HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	Not required
Emergency Response Plan (Schedule 5)	Not required
Secondary Containment (Schedule 5)	Not required
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
Location Certificate	Not required
Restrictions of use	None known.

## Section 16: OTHER INFORMATION

### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact Ravensdown, if further information is required.

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