

# SAFETY DATA SHEET

**PRODUCT NAME: DIAMMONIUM PHOSPHATE (DAP)**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Recommended use:** Fertiliser  
**Other Names:** DAP  
**Supplier:** Baileys Fertilisers  
**Address:** 24 Beach St  
 Kwinana Beach  
 Western Australia 6167  
**Telephone:** (08) 9439 1688 (Monday to Friday: 8.00am – 5.00pm)  
**Emergency Contact:** Poisons Information Centre on 13 11 26  
**Facsimile:** (08) 9439 1068  
**Email:** baileys@baileysfertiliser.com.au  
**Website:** baileysfertiliser.com.au

## 2. HAZARD IDENTIFICATION

- 1. GHS Classification:** Not hazardous according to Australian Criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).
- 2. Signal Word:** Not applicable.
- 3. Hazard Category(s):** Not applicable.
- 4. Hazard Symbol:** Not applicable.
- 5. Hazard Statement(s):** Not applicable.
- 6. Precautionary Statements:** Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Contents % w/w
Molybdenum Trioxide	1313-27-5	< 1%
Diammonium Hydrogen Phosphate	7783-28-0	> 94 %
Ammonium Sulphate	7783-20-2	4%
Coating Agent	N/A	< 1%

## 4. FIRST AID MEASURES

**Eye Contact:** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

**Inhalation:** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Ingestion:** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).

**First aid facilities:** No information provided.

**Most important symptoms and effects, both acute and delayed:** See Section 11 for more detailed information on health effects and symptoms.

**Immediate medical attention and special treatment needed:** Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.
- Hazardous Products of Combustion:** Non flammable. May evolve toxic gases (phosphorus oxides) when heated to decomposition.
- Special Fire Fighting Instructions:** Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Hazchem Code:** None allocated.

## 6. ACCIDENTAL RELEASE MEASURES

- General Response Procedure** Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Ventilate area where possible.
- Clean Up Procedures:** Contain spillage, then collect and place in suitable containers for disposal. Avoid generating dust.
- Environmental precautions:** Prevent product from entering drains and waterways.

## 7. HANDLING AND STORAGE

- Precautions for safe handling:** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
- Conditions for safe storage:** Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled and tightly closed when not in use.
- Specific end use(s):** No information provided.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

- Exposure standards:** No exposure standards have been entered for this product.
- Biological limits:** No biological limit values have been entered for this product.

### Exposure controls

- Engineering controls:** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.
- PPE:**
- |                    |   |
|--------------------|---|
| <b>Eye / Face</b>  | Wear dust proof goggles.  |
| <b>Hands</b>       | Wear PVC or rubber gloves.  |
| <b>Body</b>        | When using large quantities or where heavy contamination is likely, wear coveralls. |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.          |



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**Work Hygienic Practices:** Do not eat, drink or smoke when using this product. Do not ingest. Avoid contact with eyes and prolonged or repeated contact with skin. Wash thoroughly after handling. Remove contaminated clothing and shoes immediately and rinse with plenty of water.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Light to dark brown granules.
<b>Odour</b>	Slight ammoniacal odour.
<b>Flash Point</b>	N/A
<b>Boiling Point</b>	N/A
<b>Melting Point</b>	N/A
<b>Decomposition Temperature</b>	155°C
<b>pH</b>	7.5 – 8.0
<b>Specific Gravity</b>	0.93

### 10. STABILITY AND REACTIVITY

<b>General Information:</b>	Carefully review all information provided in the below sections.
<b>Chemical stability:</b>	Stable under recommended conditions of storage.
<b>Possibility of hazardous reactions:</b>	Polymerisation will not occur.
<b>Conditions to avoid:</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Materials to Avoid:</b>	Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid). Incompatible with alkalis (e.g. sodium hydroxide).
<b>Hazardous decomposition products:</b>	May evolve toxic gases (phosphorus oxides) when heated to decomposition.

### 11. TOXICOLOGICAL INFORMATION

Low toxicity. Use safe work practices to avoid eye or skin contact and inhalation.

<b>Acute toxicity:</b>	Low toxicity. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation. Ingestion of large quantities may also result in serious disturbances in calcium metabolism.
<b>Skin:</b>	Low to moderate irritant. Prolonged or repeated contact may result in irritation and rash.
<b>Eye:</b>	Low to moderate irritant. Contact may result in mild irritation, lacrimation and redness.
<b>Sensitisation:</b>	This product is not known to be a skin or respiratory sensitiser.
<b>Mutagenicity:</b>	No evidence of mutagenic effects.
<b>Carcinogenicity:</b>	No evidence of carcinogenic effects.
<b>Reproductive:</b>	No evidence of reproductive effects.
<b>STOT – single exposure:</b>	Not classified as causing organ effects from acute exposure.
<b>STOT – repeated exposure:</b>	Not classified as causing organ effects from repeated exposure.
<b>Aspiration:</b>	Not relevant.

<b>Toxicity Data:</b>	MOLYBDENUM TRIOXIDE (1313-27-5) LCLo (inhalation) > 5840 mg/m <sup>3</sup> /4 hours (rat) LD50 (ingestion) 2689 mg/kg (rat) LD50 (intraperitoneal) 141 mg/kg (mouse) LD50 (skin) > 2000 mg/kg (rat) LD50 (subcutaneous) 94 mg/kg (mouse)
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TCLo (inhalation) 6 mg/m<sup>3</sup>/4 years (man)

DIAMMONIUM HYDROGEN PHOSPHATE (7783-28-0)

LC50 (inhalation) 20410 mg/m<sup>3</sup> (mouse)

LD50 (ingestion) 220 mg/kg (dog)

LD50 (intramuscular) 285 mg/kg (rat)

LD50 (intraperitoneal) 169 mg/kg (mouse)

LD50 (intravenous) 78 mg/kg (mouse)

LD50 (subcutaneous) 248 mg/kg (mouse)

AMMONIUM SULPHATE (7783-20-2)

LD50 (ingestion) 640 mg/kg (mouse)

LD50 (intraperitoneal) 610 mg/kg (mouse)

LDLo (ingestion) 3500 mg/kg (domestic animal)

TDLo (ingestion) 1500 mg/kg (man - gastrointestinal effects)

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not anticipated to cause any adverse effects to plants or animals.

**Persistence and degradability:** No information provided.

**Bioaccumulative potential:** No information provided.

**Mobility in soil:** No information available.

**Environmental fate:** Prevent entry into drains and waterways.

**Other adverse effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of to an approved landfill or waste processing site. Contact the manufacturer/supplier for additional information (if required).

**Special Precautions for Land Fill:** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG or IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (IATA / ICAO)
<b>UN Number</b>	None allocated.		
<b>Proper Shipping Name</b>	None allocated.		
<b>Transport Hazard Class</b>	None allocated.		
<b>Packing Group</b>	None allocated.		
<b>Hazchem Code</b>	None allocated.		

## 15. REGULATORY INFORMATION

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

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**Classifications** Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substance [NOHSC: 1008(2004)].

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

**Disclaimer** This document has been prepared by Baileys Fertilisers 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.

While Baileys Fertilisers has 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, Baileys Fertilisers accepts 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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**Issue** 1  
**Date** 05/03/2020  
**End of SDS**