BAILEYS FERTILISERS
AKC Pty Ltd trading as
A.B.N: 30 008 747 911

SAFETY DATA SHEET

PRODUCT NAME: **MONOAMMONIUM PHOSPHATE (MAP)**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Recommended use: Fertiliser
Other Names: MAP
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
Monoammonium Phosphate	7722-76-1	<= 100
Zinc	7440-66-6	0 – 1%

4. FIRST AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention in event of irritation.
Inhalation: Remove from exposure and if irritation persists, seek medical attention.
Ingestion: If conscious, rinse and wash mouth with water and give water to drink. **Do not** induce vomiting. Seek medical attention immediately if there is pain or difficulty swallowing. Poison Information Centre (13 11 26) can provide additional assistance.
First Aid Treatment and note to physician: Treat symptomatically. Skin abrasions and sores may be aggravated by exposure. Inhalation of dust may aggravate asthma.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable.
Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire. If material is involved in a fire, use dry chemical, carbon dioxide, foam or water spray for extinction.

Hazardous Products of Combustion: May evolve toxic gases (ammonia, oxides of nitrogen and oxides of phosphorus) when heated to decomposition.

Special Fire Fighting Instructions: Evacuate are 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.

Hazchem Code: None allocated.

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. See sections 8 and 13 for exposure controls and disposal.

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, protected from physical damage and sealed 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:

Eye / Face	Wear protective glasses or goggles.
Hands	Wear gloves.
Body	Wear coveralls to prevent skin contact.
Respiratory	At high dust levels, wear a Class 2 respirator.

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

Appearance	White to off-white solid
Odour	Odourless
Flash Point	Not relevant.
Boiling Point	Decomposes before boiling.

Melting Point	190 - 197°C
Decomposition Point	> 197°C
pH	4.2 – 5.0 (1% solution)
Bulk Density	1.1 t/m^3
Solubility (water)	Soluble

10. STABILITY AND REACTIVITY

General Information: Reacts with alkalis releasing ammonia. Reacts with methenamine, causing slow evolution of formaldehyde. May be mildly corrosive to aluminium and steel.

Chemical stability: Stable under recommended conditions of storage.

Possibility of hazardous reactions: Polymerisation will not occur.

Conditions to avoid: Avoid use formation. To avoid thermal decomposition, do not overheat.

Materials to Avoid: Incompatible with strong acids, alkalis, oxidising agents, copper and its alloys, methenamine, magnesium, hypochlorites.

Hazardous decomposition products: May evolve toxic gases (ammonia, oxides of nitrogen and oxides of phosphorus) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this SDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute toxicity:	Present low toxicity, ingestion of large quantities may result in gastrointestinal irritation, nausea and vomiting.
Skin:	Not classified as a skin irritant. Contact my result in irritation and rash.
Eye:	Not classified as an eye irritant. Contact may cause physical irritation, lacrimation, pain and redness.
Inhalation:	Low irritant. Overexposure may result in mucous membrane irritation (of the nose and throat) with coughing.
Sensitisation:	This product is not known to be a skin or respiratory sensitiser.
Mutagenicity:	No evidence of mutagenic effects.
Carcinogenicity:	No evidence of carcinogenic effects.
Reproductive:	No evidence of reproductive effects.
Chronic effects:	Ingestion of large quantities may result in serious disturbances in calcium metabolism.
STOT – single exposure:	Not classified as causing organ effects from acute exposure.
STOT – repeated exposure:	Not classified as causing organ effects from repeated exposure.
Aspiration:	Not relevant.

12. ECOLOGICAL INFORMATION

Ecotoxicity: LC50 Freshwater fish *Oncorhynchus mykiss* (96 hrs) : > 85.9 mg/L

EC50 Freshwater invertebrates *Daphnia carinata* (72 hrs) : 1,790 mg/L

EC50 Freshwater algae *Selenastrum capricornutum* (72 hrs) : > 100 mg/L

Persistence and degradability: In aqueous solution, monoammonium phosphate is completely dissociated into the ammonium ion (NH_4^+) and the phosphate anion (PO_4^{-3}). Hydrolysis of the substance does not occur, and it is also not susceptible to photodegradation.

Bioaccumulative potential: Low potential for bioaccumulation.

Mobility in soil: This substance is highly water soluble and dissociating. Low potential for adsorption to soil.

Environmental fate: Prevent entry into drains and waterways. Product may act as a plant nutrient and cause eutrophication.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal: Collect and place in sealable containers and dispose of to an approved landfill 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)
UN Number	None allocated.		
Proper Shipping Name	None allocated.		
Transport Hazard Class	None allocated.		
Packing Group	None allocated.		
Hazchem Code	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).

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 (ACIS).

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.

As the use of the products described in this document is outside the control of Baileys Fertilisers, we make no representation or warranty concerning the suitability or fitness of this product for any purpose. It is your sole responsibility to ensure that the product will have the qualities and attributes that will make them fit for any ordinary or special purpose required of them, even if that purpose is made known to us at any time. This includes responsibility on your part to conduct in a timely manner all appropriate tests and quality checks on the product and any goods made from them. We disclaim any liability if any products are not suitable or fit for any such purpose.

Issue	3
Date	10/03/2020
End of SDS	