

MAP

1: PRODUCT NAME, SUPPLIER INFORMATION AND EMERGENCY CONTACTS

Product Name: MAP

Other Names Mono ammonium phosphate, Ammonium di-hydrogen phosphate

Chemical formula: $(\text{NH}_4) \text{H}_2\text{PO}_4$

Recommended Use: Fertiliser

Company: Fert Wholesale Direct Ltd

Address: 205 Main Street, Mataura 9712

Contact Number: 021 0235 6491

National Poisons Information Centre: 0800 POISON (0800 764 766)

Emergency Telephone Number: 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)

Transport Emergency Phone: 111 - tell operator what service is needed: Fire, Ambulance, Police

2: HAZARD IDENTIFICATION

Hazard Classification: 6.1E, 6.3A, 6.3B, 6.4A, 9.1D

Priority Identifiers: DANGER

KEEP OUT OF REACH OF CHILDREN

Secondary Identifiers: 6.1E = May be fatal if swallowed and enters airways.

6.3A = Causes skin irritation.

6.3B = Mildly irritating to the skin.

6.4A = Causes serious eye irritation.

9.1D = Harmful to aquatic life



WARNING

3: COMPOSITION INFORMATION

Ingredient	CAS No.
Ammonium di-hydrogen orthophosphate	7722-76-1

4: FIRST AID MEASURES

Inhalation: Remove patient to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed rinse mouth, seek medical advice. If large quantities are ingested give 1 or 2 glasses of fluid to dilute but DO NOT induce vomiting, seek medical advice.

Skin: Remove contaminated clothing then wash affected area thoroughly with water then soap and water. Wash hands thoroughly.

Eye: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes, holding eyelid open if necessary. Seek medical attention.

First Aid Measures: Consult the National Poisons Information Centre on 0800 764 766 or a Doctor immediately in every case of suspected poisoning or if the patient feels unwell.

Advice to Doctor: Treat symptomatically.

5: FIRE FIGHTING MEASURES

Flammability: N/A (Non-flammable)

Combustion Products: Ammonia, nitrogen oxides, phosphorous oxides. May evolve ammonia, phosphorous and nitrogen oxides when heated to decomposition. Decomposition temperature 190°C.

Fire and Explosion: There is no risk of explosion from this product under normal circumstances.

Flash Point: N/A.

Extinguishing Media: Based on surrounding materials. Not combustible.

Protective Equipment: Breathing apparatus, goggles and protective gloves.

HAZCHEM Code: None allocated.

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up. Avoid generating dust. Collect and place in sealable containers. Reuse or recycle where possible.

Protective Clothing: See section 8.

Environmental Precaution: Prevent from entering drains, waterways or sewers. If spill does enter waterway contact Local Authority.

7: HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and inhalation. Keep out of reach of children. Avoid generating dust. Use only outdoors or in well ventilated areas.

Approved handler: Not required.

Tracking: Not required.

Record keeping: Not required.

Storage: Store in a dry, cool ventilated area. Keep away from water and strong acids or bases.

Other: Remove protective clothing and wash hands thoroughly after use. Do not eat, drink or smoke whilst using this product. Wash protective clothing daily after work.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: No exposure limits allocated. Particulates not otherwise classified:

Inspirable dust: 10mg.m^{-3} , Respirable dust: 3mg.m^{-3} , Ammonia: 25ppm (TWA), 35ppm (STEL).

Protective Equipment: Overalls, goggles, gloves, dust masks. Eye wash facilities should be readily available. Wear protective clothing where there is a risk of moderate to high skin contamination from product.

Engineering Controls: Handle in well-ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

Avoid inhalation of dust.

Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown, black nodules

Format: Granules

Odour: Odourless

Specific Gravity: 1.8g/cm^3

pH: (50g.L^{-1} in water, 20°C) 3.8 - 4.4

Solubility in Water: Soluble. 575 g/l @ 10 degrees

Flash Point: N/A

Melting Point: 190°C . Decomposes before melting

Boiling point: Not applicable; decomposes before boiling

Bulk Density : 965kg/m^3

Vapour Pressure: 0.066hPa @ 125°C

Flammability: Non-flammable

Decomposition Temperature: 190°C

10: STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Hazardous Polymerisation: Hazardous polymerisation will not occur

Hazardous Decomposition Products: May evolve ammonia, nitrogen & phosphorous oxides when heated to decomposition.

Conditions to Avoid: Moisture, strong heat.

Materials to Avoid: Strong acids and bases. Sodium hypochlorite.

11: TOXICOLOGICAL INFORMATION

ERMA Classifications: 6.1E, 6.3A, 6.3B, 6.4A

Health Hazard Summary: Low toxicity. Under normal conditions of use adverse health effects are not anticipated.

This product is generally considered to be of low toxicity.

Ingestion: Ingestion of large quantities may lead to nausea, vomiting and gastrointestinal irritation.

Inhalation: Slight irritant. Over exposure may result in irritation of the nose and throat, with coughing.

Skin: Mild irritant. Prolonged and repeated skin exposure may result in irritation.

Eye: Irritant. Direct contact may result in irritation, lachrymation (tears), pain, redness and conjunctivitis.

Toxicity Data: LD50 (Oral): 3000 mg/kg (rat)

12: ECOLOGICAL INFORMATION

ERMA Classifications : 9.1D

Ecotoxicity: Must avoid unintended release into streams and waterways.

13: DISPOSAL INFORMATION

Product Disposal: Reuse or recycle where possible. Collect into sealable containers and dispose of in an approved land fill. If practicable apply excess as a fertiliser at recommended rates to appropriate land. Observe any local authority restrictions that may apply. Unacceptable disposal methods include, but are not limited to, burning and burying.

Container Disposal: Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

Bulk bag Disposal: Dispose of all bags in the appropriate manner.

14: TRANSPORT INFORMATION

UN Number: None Allocated.

Proper Shipping Name: MAP.

DG Class: None Allocated.

UN Packing Group: None Allocated.

Other Information: Not regulated for transport purposes.

15: REGULATORY INFORMATION

Exposure Limits: See sections 8 & 12.

EPA: Approved pursuant to the HSNO Act 1996, Approval number HSR002769

See www.epa.govt.nz for approval controls.

16: OTHER INFORMATION

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.