

Safety Data Sheet

MAP, Mono-ammonium Phosphate

Revised: 01/06/2018

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	MAP, Mono-ammonium Phosphate
Other Names:	Ammonium di-hydrogen phosphate
Chemical Formula:	$(\text{NH}_4)\text{H}_2\text{PO}_4$
Product Code:	7000000
Recommended Use:	Fertiliser
Company Identification:	Ravensdown Limited
Address:	292 Main South Road, Hornby, Christchurch 8042 PO Box 1049, Christchurch 8011
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Phone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone Number:	111 - tell operator what service is needed: Fire, Ambulance or Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.3B, 6.4A
Priority Identifiers:	WARNING KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers:	6.3B = Mildly irritating to the skin 6.4A = Eye irritant



WARNING

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Ammonium di-hydrogen orthophosphate	7722-76-1	100%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning or if patient feels unwell.
Inhalation:	Remove to fresh air. Keep at rest in comfortable position for breathing. Seek medical advice.
Ingestion:	Never give anything by mouth to an unconscious person. If large quantities are ingested give 1 or 2 glasses of fluid to dilute but DO NOT induce vomiting. Seek medical advice.
Skin:	Wash thoroughly with water then soap and water. Wash hands thoroughly. Remove contaminated clothing.
Eye:	IMMEDIATELY flush with large amounts of water for at least 15 minutes holding eyelid open if necessary. Remove contact lenses if present and easy to do. Seek medical attention.
Advice to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/A (Non-flammable)
Combustion Products:	Ammonia, nitrogen oxides, phosphorous oxides. Decomposition temperature 190°C
Extinguishing Media:	Not combustible. Based on surrounding materials
Protective Equipment:	Breathing apparatus, goggles and protective gloves
HAZCHEM Code:	None allocated

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Protect yourself and others from injury. Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental	Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	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 cool, dry area
Other Information:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands after working with substance. Wash protective clothing daily after work.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	Workplace Exposure Standards (WES): Particulates not otherwise classified: <div style="text-align: right; margin-right: 50px;"> Inspirable dust 10mg.m⁻³ Respirable dust 3mg.m⁻³ Ammonia 25ppm (TWA) 35ppm (STEL) </div> Tolerable Exposure Limit (TEL) Not assigned
Protective Equipment:	Overalls, safety glasses and gloves. If dust is present wear dust mask and goggles. 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. If dust generated use local extraction to control. Avoid inhalation of dust.
Hygiene Precautions:	Do not eat, drink or smoke when handling this product. Remove contaminated protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown
Format:	Granules
Odour:	Odourless
Odour Threshold:	Not known
Specific Gravity:	1.8g/cm ³
Bulk Density	965 kg/m ³
pH:	(50g.L ⁻¹ in water, 20°C) 3.8 - 4.4
Solubility in Water:	Soluble
Flash Point:	Not Applicable
Melting Point:	190°C
Boiling Point:	Not applicable (decomposes)
Vapour Pressure:	0.066hPa@125°C
Flammability:	Non-flammable
Upper/Lower Flammability or Explosive Limits:	N/A
Vapour Density:	N/A
Relative Density:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	190°C
Kinematic Viscosity:	N/A

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions
Hazardous Polymerisation:	Will not occur
Hazardous Decomposition Products:	Ammonia, nitrogen oxides, phosphorous oxides
Conditions to Avoid:	Strong heat
Materials to Avoid:	Sodium hypochlorite

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.3B, 6.4A
Health Hazard Summary:	No adverse health effects expected under normal conditions.
Ingestion:	Ingestion of large quantities. May lead to nausea, vomiting and diarrhoea.
Inhalation:	Mild Irritant. Inhalation of dusts may be irritating.
Skin:	Mild Irritant. Prolonged and repeated skin exposure may result in irritation.
Eye:	Irritant. Direct contact may result in lachrymation (tears), pain, redness and conjunctivitis.
Toxicity Data:	Not given.

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	None allocated
Ecotoxicity:	Avoid washing excessive amounts into streams and waterways. Avoid unintended release into the environment.

Section 13: DISPOSAL INFORMATION

Product Disposal:	Collection into sealable containers and dispose of in an approved land fill. Reuse or recycle where possible. If practicable apply excess 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.

Section 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

Section 15: REGULATORY INFORMATION

Exposure Limits:	See sections 8 & 12
EPA:	Approved pursuant to the HSNO Act 1996, Approval number HSR002768.
See www.epa.govt.nz for approval controls.	

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

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.

Checked

Hazard Classification	EPA CCID (Environmental Protection Agency Chemical Classification and Information Database)	HMM
Identifiers	EPA CCID, Labelling of Hazardous Substances	HMM
Pictogram	EPA CCID, Labelling of Hazardous Substances	HMM