

MATERIAL SAFETY DATA SHEET

DSCL (Pictograms)	DSCL (Classification)	Protective Clothing
	R36/37- Irritating to eyes and respiratory system.	

MAP

1. Identification of the substance/preparation and of the company/undertaking

Product name : MAP
 Supplier : Nulandis (A division of AECI Limited)
 14 Field Road,
 LILANTON
Manufacturer : Nulandis (A division of AECI Limited)
 14 Field Road,
 LILANTON

Synonyms : Fertilizer.

Emergency telephone number : Griffon Poison information centre: 082 446 8946 Poisons Information Helpline: 0861 555 777
 Nulandis: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

2. Composition / information on ingredients

Substance/Preparation : Preparation

Chemical name*	CAS No.	%	Symbol	R-Phrases
1) Mono Ammonium Phosphate	7722-76-1	100	Xi	R36/37

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

Physical/chemical hazards : Not applicable.
Human health hazards : Irritating to eyes and respiratory system.

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Effects and symptoms

Inhalation : Hazardous in case of inhalation (lung irritant). Slightly hazardous in case of inhalation (lung sensitizer, lung corrosive).

Ingestion : Slightly hazardous in case of ingestion.

Skin Contact : Slightly hazardous in case of skin contact (corrosive, irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact : Very hazardous in case of eye contact (corrosive). Eye contact can result in corneal damage or blindness.

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Extinguishing Media

Suitable : Not applicable.

Special fire-fighting procedures : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions : Splash goggles.

Environmental Precautions and Clean-up Methods : Use a shovel to put the material into a convenient waste disposal container. **Neutralize the residue with a dilute solution of sodium carbonate.**

7. Handling and storage

Handling : Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended use : Use original container.

8. Exposure controls/personal protection

Engineering measures : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Occupational Exposure Limits :

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
1) Mono Ammonium Phosphate	ACGIH (United States, 1997). TWA: 10 mg/m ³ Form: Dust

Personal protective equipment

Respiratory system : Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Skin and body : Lab coat.

Hands : Gloves.

Eyes : Splash goggles.

9. Physical and chemical properties

Physical state : Solid.

Color : Light.

Odor : Odourless

Melting Point : 114°C (237.2°F) based on data for: Mono Ammonium Phosphate.

Density : 1.8

Solubility : Easily soluble in hot water.
Soluble in cold water.
Insoluble in methanol, diethyl ether, n-octanol, acetone.

Octanol/water partition coefficient : The product is much more soluble in water.

pH : Acidic.

Flash point : Not applicable.

Explosive properties : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

10. Stability and reactivity

Stability : The product is stable.

11. Toxicological information

Local effects

Skin irritation : Slightl

Sensitization : Non-sensitizer for skin.

Acute toxicity : Acute oral toxicity (LD50): 5750 mg/kg (Rat)

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

12. Ecological information

Ecotoxicity : Phosphates are converted to calcium or iron / aluminium phosphates, and are incorporated into the organic soil matter/.

13. Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

International transport regulations NOT REGULATED

Land - Road/Railway

Packing Group :

Sea

Packing Group :

Air

Inland waterways

Packing Group :

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Classification : Irritant

Risk Phrases : R36/37- Irritating to eyes and respiratory system.

Safety Phrases : S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.

16. Other information

HISTORY

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Prepared by :

Notice to Reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

