

Safety data Sheet

Monoammonium Phosphate

1. Identification

Product name: Monoammonium Phosphate

Company: Kemira GrowHow
PO Box 900
00101 Helsinki
Finland
Tel. +35810215111

02. Composition

Chemical content: (NH₄) H₂PO₄

Hazardous components

Fluorides, as F-90-500ppm
Monoammonium phosphate 96-

98%

Moisture 0.01- 0.1%

CAS N° 7722-76-1

EINECS N° 231-764-5

03. Hazard identification

No known hazards

04. First-aid measures

Skin: Wash thoroughly with water.

Eyes: Rinse immediately with copious of water for at least 15 min.

Inhalation:: Remove to fresh air. Get medical attention if discomfort persists

Ingestion: drink large quantity of water to dilute. Do not induce vomiting. Get medical attention if large amount swallowed.

05. Fire-fighting measures

MAP is used as a fire extinguishing agent. When heated to temperature above 149°C it may release small amounts of toxic ammonia and fluorides. Wear chemical protection suit, including breathing apparatus.

06. Accidental release measures

Sweep up spillage and recover/recycle if possible. Otherwise place in a fibre keg or paper sack and dispose as industrial waste

07. Handling and storage

Avoid any handling causing dust formation. Access to water in case of fire and eyewash facility should be available. Store the product in a dry place and keep away from heat and alkalis

08. Exposure control/personal protection

Regulations: None

Air contamination limits: not listed but the 8-hour TWA limits of 10mg/m³ for total dust and 5mg/m³ for respirable dust should not be exceeded.

09. Physical and chemical properties

Appearance: crystals or powder
Color: White
Smell: None
Melting point: 190°C
Boiling point: None
Flash point: Non flammable
Flammability: Not flammable
Auto flammability: None
Explosive properties: None
Vapor pressure: None
Solubility: mixes easily with water

pH in a 1% solution: <5

10. Stability and reactivity

Can decompose upon heating evolving ammonia and fluorides.

Incompatible materials: Alkalis and heat (Alkalis will cause the release of Ammonia)

MAP is stable under normal conditions

11. Toxicological information

Acute toxicity: May cause slight skin, eye, nose and throat irritation.

Chronic toxicity: No information found

Carcinogenicity: Is not considered to be a cancer – causing material by OSHA, NIOSH or IARC.

12. Ecological information

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Aquatic toxicity rating: TLm 96 hr between 100 and 1000 ppm.

13. Disposal

Accumulated spillage can normally be used again as fertilizer material. Dispose of polluted spillage to an authorized waste facility as chemical waste.

14. Transport information

Not classified as a substance hazardous for transport

15. Regulatory information

Not classified as a substance hazardous for supply

16. Other information

The information stated in point 1-15 is issued from our knowledge of the product. It does not contain any guarantee for special properties. It is important that the person(s) using the above product is/are informed of the exact laws and regulations and that the product is used according to these and for no other purposes than supplied for.

Issued by:

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