

**MATERIAL SAFETY DATA SHEET****MSDS** : **2-800-26-011****Date** : **1.2.96**Page **1** of **5****SUBJECT: MAP-MONO AMMONIUM-PHOSPHATE****1. Product and Company Identification****Product** : **MAP - Mono Ammonium Phosphate**Producer : Rotem Amfert Negev Ltd.
Mishor Rotem, Mobile Post Arava
86800 ISRAELEmergency phone numbers:

Rotem Site : 972-8-6504777, 972-8-6504915

Safety Dept.Mgr. : Office - 972-8-6504945, Home - 972-8-6419601

2. Composition / Information on IngredientsChemical formula : $(\text{NH}_4)\text{H}_2\text{PO}_4$ Common chemical name : Ammonium Phosphate MonobasicSynonyms : Ammonium BiphosphateMain ingredients (typical values, not a specification) $\text{NH}_4\text{H}_2\text{PO}_4$ % 99 min. P_2O_5 % 60 min.

N % 11.5 min.

CAS RN : 7722-76-1EINECS Nr : 231-764-5EG Nr :EEC Nr :**3. Hazards Identification**

No hazards reported.

4. First-Aid Measures

Eye contact : Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of eyes by separating eyelids with fingers. Obtain medical attention immediately.

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Skin contact : Flush skin with copious amounts of water for at least 15 minutes, while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Obtain medical attention immediately.

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately.

Ingestion : If swallowed, wash out mouth with water, provided person is conscious. Obtain medical attention immediately.

Note: Do not give liquids to an unconscious person!

5. Fire-fighting measures

Extinguishing media : Noncombustible. Use extinguishing media to suit environment.

Specific hazards : When heated above 190⁰, emits toxic fumes of NH₃, PO_x and NO_x.

Specific methods :

6. Accidental Release Measures

Personal precautions : When dusts are generated use personal protective equipment.

Environmental precautions : No ecological problems are to be expected. Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of drinking water supplies.

7. Handling and Storage**Handling:**

Precautions : When dusts are generated use personal protective equipment.

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Safe handling advice:

Storage:

Storage conditions : Store tightly closed and dry at room temperature.

Incompatible products : NaOCl and other strong oxidizers.

Packaging materials : Bulk, big bags, bags.

8. Exposure controls/ personal protection

Engineering measures to reduce exposures:

Avoid dust generation.

Threshold limit value : Not applicable.

Personal protective equipment : When dust is generated.

Respiratory protection : Dust filter

Hand protection : Gloves

Eye protection : Goggles

Skin and body protection : Protective clothing

Specific hygiene measures: Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

Molecular weight : 115.03

Physical State : Solid

Form and color : White

Odor : Odorless

pH : Near 4-5

Boiling point/range : Not available

Melting point/range : 190⁰ C

Decomposition temperature : above 190⁰ C

Flashpoint : Noncombustible

Autoignition temperature:

Flammability limits :

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Vapor pressure : Not available
Vapor density :
Density : 1.803
Solubility in water : 370 g/l
Other data :

10. Stability and reactivity

Conditions to avoid :
Materials to avoid : NaOCl and strong oxidizers.
Hazardous decomposition products : In the event of fire: PO_x, NO_x, NH₃

11. Toxicological Information

Quantitative data on the toxicity of this product are not available. After the uptake of large quantities: gastrointestinal complaints, drop in blood pressure, disturbed electrolyte balance.

12. Ecological information

No ecological problems are to be expected. Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of drinking water supplies.

13. Disposal Considerations

An acceptable method of disposal is to place material into clean dry container.
Flush residues thoroughly with water, in accordance with all local and state environmental laws/regulations.

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UN No :
IMDG Code : Class
Packaging group
Label
RID/ADR : Class and Item Nos. :
Hazard/Substance Nos. :
Danger Label Mode :
US DOT : Hazard Class :
Packing Group:
Label:
NFPA Hazard rating : Health Not rated.
Fire
Reactivity
Other
HAZCHEM Code :

15. Other information

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, ROTEM AMFERT NEGEV LTD.. makes no representations as to the completeness or accuracy thereof, their own determination as to its safety and suitability for their purposes prior to use. In no event will ROTEM AMFERT NEGEV LTD. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers.

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