

**MATERIAL SAFETY DATA SHEET****MSDS** : **2-800-26-010****Date** : **1.2.96**Page **1** of **5****SUBJECT: MKP-MONO-POTASSIUM-PHOSPHATE****1. Product and Company Identification****Product** : **MKP - Mono Potassium Phosphate**

Producer : Rotem Amfert Negev Ltd.
Mishor Rotem, Mobile Post Arava
86800 ISRAEL

Emergency 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 Ingredients

Chemical formula : KH_2PO_4
Common chemical name : Mono Potassium Phosphate
Synonyms : Mono Kalium Phosphate, Potassium Biphosphate

Main ingredients (typical values - not a specification)

P_2O_5	%	52
K_2O	%	34.4

CAS RN : 7778 - 77 - 0

EINECS Nr :

EG Nr :

EEC Nr :

3. Hazards Identification

No hazards reported.

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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.

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 : Non combustible. Use extinguishing media to suit environment.

Specific hazards : Emits toxic fumes of PO_x during thermal decomposition.

Specific methods :

6. Accidental Release Measures

Personal precautions : When dusts are generated, use personal protective equipment: dust filter, goggles, gloves and protective clothing.

Environmental precautions : No ecological problems are to be expected.

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Precautions : When dusts are generated, use personal protective equipment

Safe handling advice : When dusts are generated, use personal protective equipment: dust filter, goggles, gloves and protective clothing.

Storage:

Storage conditions : Store dry.

Incompatible products : Aluminum, diazomethane, phosphorus.

Packaging materials : Bulk containers, 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 filters

Hand protection : Gloves

Eye protection : Goggles

Skin and body protection : Protective clothing

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

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Molecular weight	: 136.09
Physical State	: Solid
Form and color	: White
Odor	: Odorless
pH	: 4.2-4.8
Boiling point/range	: not available
Melting point/range	: 252.6 ⁰ C
Decomposition temperature	: Not available
Flashpoint	: Non combustible
Autoignition temperature	:
Flammability limits	:
Vapor pressure	: Not available
Vapor density	:
Density (bulk)	: 1.0 -1.6
Solubility in water	: 230 g/l
Other data	:

10. Stability and reactivity

Conditions to avoid :

Materials to avoid : Aluminum, diazomethane, phosphorus

Hazardous decomposition products : In the event of fire : PO_x**11. Toxicological Information**

Quantitative data on the toxicity of this product are not available.

12. Ecological information

No ecological problems are to be expected.

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Take up dry. Forward for disposal. Clean up affected area.

14. Transport and regulatory information**Not subject to transport regulations!**

UN No :

IMDG Code : Class
Packaging group
LabelRID/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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