

**MATERIAL SAFETY DATA SHEET****MSDS** : **2-800-26-008****Date** : **1.2.96**Page **1** of **5****SUBJECT: P BASED FERTILIZERS****1. Product and Company Identification****Product** : **P Based Fertilizer**

**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** :**Chemical composition** : tri, di and monocalcium phosphate.**Synonyms** : triple, double , single superphosphate, PAPR.**Main ingredients** (typical values - not a specification) TCP + DCP + MCP + CaSO<sub>4</sub>

Total P <sub>2</sub> O <sub>5</sub>	%	20 - 49
Water soluble P <sub>2</sub> O <sub>5</sub>	%	18 - 46
Free Acid	%	0.5- 2.5

**CAS RN** :**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 : Noncombustible. 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, gloves, goggles and protective clothing.

Environmental precautions : No ecological problems are to be expected.

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#### 7. Handling and Storage

##### Handling:

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

Safe handling advice:

##### Storage:

Storage conditions : Store dry.

Incompatible products :

Packaging materials : Bulk

#### 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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Physical State	: Solid
Form and color	: Brownish - gray
Odor	: Odorless
pH	: Slightly acid
Boiling point/range	: Not available
Melting point/range	: Not available
Decomposition temperature	:
Flashpoint	: Noncombustible
Autoignition temperature	:
Flammability limits	:
Vapor pressure	: Not available
Vapor density	:
Density (bulk)	: 1.0 - 1.1
Solubility in water	: Partially soluble
Other data	:

**10. Stability and reactivity**

Conditions to avoid	:
Materials to avoid	:
Hazardous decomposition products	: In the event of fire: PO <sub>x</sub> .

**11. Toxicological Information**

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

**12. Ecological information**

No ecological problems are to be expected.

**13. Disposal Considerations**

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

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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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