

# SAFETY DATA SHEET

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Revised edition no : 3

Date : 2/2/2006

Supersedes : 10/2/2003

## MONOAMMONIUM PHOSPHATE

**PR-008**

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### Synonyms

Primary ammonium phosphate  
Ammonium phosphate monobasic  
Ammonium dihydrogen phosphate  
Ammonium biphosphate  
MAP

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Company identification : See producer.  
e-mail address of the competent person responsible for the Safety Data Sheet  
Trade name : MONOAMMONIUM PHOSPHATE  
Use : industry and Horticulture  
Chemical formula :  $NH_4H_2PO_4$   
Type of product : Phosphate  
Distributor : See address above.  
Identification of the product : Crystals.

### 2. HAZARDS IDENTIFICATION

- Inhalation : Dust from this product may cause irritation to the respiratory tract.  
- Skin contact : Repeated or prolonged skin contact may cause irritation.  
- Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.  
Excessive dust production may cause minor eye irritation.  
- Ingestion : May cause gastric irritation.  
Abdominal pain.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NOT INCLUDED IN THE LIST OF DANGEROUS SUBSTANCES (ANNEX I OF DIRECTIVE 67/548 EEC)

Substance name	Contents	CAS No / EC No / Annex No	Symbol(s)	R-Phrase(s)
Ammonium dihydrogenophosphate	: >= 99 %	7722-76-1 / 231-764-5 / ----		

### 4. FIRST AID MEASURES

- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.  
Seek medical advice.  
- Skin contact : Wash skin thoroughly with mild soap and water.  
Remove contaminated clothing and shoes.  
Wash clothing before re-using.  
- Inhalation : Assure fresh air breathing.  
If breathing is difficult, give oxygen.  
Seek medical advice.  
- Ingestion : Give water to drink.  
Induce vomiting.  
Seek medical advice.

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### 5. FIRE-FIGHTING MEASURES

Flammable class	: Not flammable.
Extinguishing media	: All extinguishing media can be used.
Specific hazards	: When heated to decomposition, emits toxic fumes.
Protection against fire	: Suitable respiratory equipment. Total impervious protective suits, gloves, and boots must be worn.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear impervious rubber safety shoes. Wear protective rubber clothing with splash guard. Safety glasses. Keep public away from danger area.
Environmental precautions	: Prevent entry to sewers and public waters.
After spillage and/or leakage	: On land, sweep or shovel into suitable containers. Collect spill when it's dry Wash thoroughly after handling.

### 7. HANDLING AND STORAGE

Storage	: Store in dry, cool area.
Handling	: Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Do not breathe dust.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection	: Approved dust mask should be used if dust are generated when handling this material.
- Hand protection	: Use rubber gloves.
- Skin protection	: Total impervious protective suits, gloves, and boots must be worn.
- Eye protection	: Safety glasses. Chemical goggles or safety glasses.
- Others	: Emergency eye wash fountain with clean water.
TLV <sup>o</sup> -TWA [mg/m <sup>3</sup> ]	: No data available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Crystals.
Colour	: White.
Odour	: Odourless.
pH value	: 3.9 to 4.4
Melting point [°C]	: >120 ( Decomposition )
Density	: 0.9 (g/cm <sup>3</sup> )
Solubility in water	: 365 g/l (20°C)
Flash point [°C]	: Not flammable.
Auto-ignition temperature [°C]	: Not flammable.



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