

MATERIAL SAFETY DATA SHEET

Date Issued: 29/06/2006

NOT CLASSIFIED AS HAZARDOUS UNDER AUSTRALIAN WORKSAFE REQUIREMENTS

SECTION I - PRODUCT IDENTIFICATION

Product trade name: Multi-MKP (0-23-28)
Chemical name: Mono potassium phosphate
Potassium phosphate monobasic
CAS NO.: 07778-77-0
Formula: KH_2PO_4
Hazard rating:
Health: none
Flammability: none
Reactivity: none
Contact: slight

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
Skin contact: Immediately wash with plenty of soap and water for at least 15 minutes.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash point (method used): N/A
Extinguishing media: Use extinguishing media appropriate for surrounding fire.
Flammable limits: LEL - N/A; UEL - N/A

SECTION II - HAZARDOUS INGREDIENTS

No hazardous ingredients

SECTION III - PHYSICAL DATA

Formula weight: 136.09
Appearance: White crystals
Melting point: 252.6°C
Specific gravity ($\text{H}_2\text{O}=1$): 2.34
Vapor pressure: Below 1 mm Hg
pH (1% Sol): 4.6

Solubility (aqueous solution):

Temp. (°C)	Multi-MKP g/ 100 mg water
0	14.8
10	18.3
20	22.6
30	28.0
40	33.5

SECTION VI - REACTIVITY DATA

Stability: Stable
Hazard polymerization: Will not occur.
Conditions to avoid: Moisture

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Wear suitable protective clothing. Carefully sweep and remove.
Disposal procedure: Dispose in accordance with applicable federal, state, and local environmental regulations.
Precautions to be taken in handling and storage: Do not get on skin, or clothing, or in eyes. Keep out of reach of children. Wash thoroughly after handling. When not in use keep in tightly closed container.
Other precautions: Avoid breathing dusts.

SECTION VIII - CONTROL MEASURES

Ventilation: Use adequate general or local exhaust ventilation to keep fume or dust as low as possible.
Respiratory protection: None required where ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.
Eye/skin protection: Safety goggles with side shields, proper gloves are recommended.
Respiratory protection: None normally needed.
Use dust mask if conditions warrant

SECTION IV - HEALTH HAZARD INFORMATION

Carcinogenicity:

NTP: No
IARC: Negative
Z LIST: No
OSHA REG: No

Effects of overexposure: Dust may irritate skin or eyes.
Target organs: None identified.
Medical conditions generally aggravated by exposure: None identified.
Routes of entry: None indicated.

Emergency and first aid procedures:

Ingestion: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

Inhalation: If a person breathes in large amounts, move the exposed person to fresh air. Get medical attention.

24 hours emergency number:

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