

Material Safety Data Sheet

Martrex, Inc.
P.O. Box 1709
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1. CHEMICAL IDENTIFICATION

CHEMICAL NAME: Potassium Phosphate, Monobasic, Crystal, MKP, Monopotassium Phosphate

CAS NO: 07778-77-0

FORMULA: KH₂PO₄

FORMULA WT: 136.09

PRODUCT CODES: 3243,4921,3247,3246

2. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

EYE/SKIN PROTECTION: Safety glasses with sideshields, proper gloves are recommended.

VENTILATION: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

3. POTENTIAL HEALTH EFFECTS

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

4. EMERGENCY AND FIRST AID MEASURES

SKIN: Immediately wash with plenty of soap and water for at least 15 minutes.

EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

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

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

5. HAZARDOUS INGREDIENTS

<u>CHEMICAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RQ (LBS)</u>
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Product: Potassium Phosphate, Monobasic, Crystal
EPC 00121-9300

6. EMERGENCY/HAZARDS OVERVIEW

HEALTH: 0 REACTIVITY: 0 FLAMMABILITY: 0 CONTACT: 1

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

LABORATORY PROTECTIVE EQUIPMENT: Safety glasses; lab coat

STORAGE COLOR CODE: Orange (general storage)

PRECAUTIONARY LABEL STATEMENTS: **CAUTION MAY CAUSE IRRITATION. DURING USE AVOID CONTACT WITH EYES, SKIN, CLOTHING. WASH THOROUGHLY AFTER HANDLING. WHEN NOT IN USE KEEP IN TIGHTLY CLOSED CONTAINER.**

7. PHYSICAL DATA

BOILING POINT (°F): N/A

MELTING POINT (°F): N/A

SPECIFIC GRAVITY (H2O=1): 2.34

VAPOR PRESSURE (MM HG): N/A

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE (BUTYL ACETATE=1): N/A

SOLUBILITY (H2O): Appreciable (more than 10%)

% VOLATILES BY VOLUME: 0

APPEARANCE & ODOR: Odorless, white crystalline powder

8. REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS AND MATERIALS TO AVOID: Moisture

9. FIRE AND EXPLOSIONS HAZARDS

FLASH POINT (CLOSED CUP): N/A

FLAMMABLE LIMITS: Upper – N/A % Lower – N/A %

FIRE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

Material Safety Data Sheet

For Product: Potassium Phosphate, Monobasic, Crystals
Chemical Emergency Call Center, 800-368-5622

Date Printed: 08/04/01

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10. STORAGE AND SPECIAL PRECAUTIONS

STORAGE COLOR CODE: Orange (general storage)

SPECIAL PRECAUTIONS: Keep container tightly closed. Suitable for any general chemical storage area. Material is hygroscopic.

11. DISPOSAL

DISPOSAL PROCEDURE: Dispose in accordance with all applicable federal, state, and local environmental regulations.

12. TRANSPORTATION REQUIREMENTS

DOMESTIC (D.O.T.)

PROPER SHIPPING NAME: Chemicals, N.O.S. (non-regulated)

INTERNATIONAL (I.M.O.)

PROPER SHIPPING NAME: Chemicals, N.O.S. (non-regulated)

13. EMERGENCY ACTION - SPILL OR LEAK

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE: Wear suitable protective clothing. Carefully sweep up and remove.

14. MSDS PREPARATION INFORMATION

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For Chemical Emergencies Call CHEMTREC - Day or Night - at 800-424-9300