Safety Data Sheet



Martrex, Inc.

Section I: Chemical Product and Company Information Product name: Potassium Phosphate, Monobasic Reference Number: n/a Web: www.martrexinc.com Supplier/ Further Information: Martrex, Inc. 1107 Hazeltine Blvd, Phone: 952/933-5000 Fire . Instability Suite 535 MD 27, Toll Free: 800/328-3627 Chaska. Minnesota 55318 FAX: 952/933-1889 EPA Registration Number: n/a CAS#: 7778-77-0 Chemical Name: Potassium Phosphate, Monobasic Synonyms: Potassium Phosphate, Monobasic, Crystal, MKP, Special Monopotassium Phosphate Health Hazard Chemical Family: Inorganic salt For NFPA Explanation see Section 16 Product Use: n\a SDS Number: n/a 24 Hour Emergency Phone - Chemtrec Transport: 1-800-424-9300; Medical: 1-800-441-3637 Section 2: Hazards Identification **Emergency Overview** Warning! Harmful if swallowed. Causes severe eye irritation. GHS Classification (Global Harmonized Classification see Section 16): Acute toxicity, Oral Category 4 (H302) Serious eye damage/eye irritation Category 2B (H319) GHS Label, Hazards and Precautionary Statements GHS Pictogram: (GHS Pictogram Hazards Definitions See Section 16) Warning Label Signal Word: Hazard Statements: Harmful if swallowed (H302) Causes serious eye irritation. (H319) **Precautionary Statements: Prevention:** Wash skin thoroughly after handling. (P264) Do not eat, drink or smoke when using this product. (P270) Wear eye protection, face protection. (P280) **Response:** IF SWALLOWED: Rinse mouth. (P301+P330) Call POISON CENTER, doctor if you feel unwell. (P312)

IF IN EYES: Rinse cautio	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,							
if present and eas	if present and easy to do. Continue rinsing. (P305+P351+P338)							
If eye irritation persis	sts: Get n	nedical atter	tions. (P337+P313))				
Disposal Considerations:								
Dispose of content/contai	ner to haz	ardous or s	pecial waste collect	ion point, in accorda	nce with local.			
regional, national and				1 ,	,			
NFPA Ratings: Health: 1 Flai		•	· · ·					
OSHA Hazards: No known OSHA hazards								
GHS Classification: Acute toxicity, Dermal (Category 5)								
GHS Label elements, including precautionary statements								
Pictogram: none								
Signal word: Warning	•							
•). May ba	hormoful in a	antaat with alvin					
Hazard statement(s): H313: May be harmful in contact with skin								
Precautionary statement(s): none								
Potential Health Effects								
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.								
Skin: May be harmful if absorbed through skin. May cause skin irritation.								
Eyes: May cause eye irritation.								
Ingestion: May be harmful if swallowed.								
Carcinogenicity Data: no data								
See Section 11 for more Toxicological information								
Section 3: Composition/Information on Ingredients								
		0/						
Hazardous Component	CAS#	%	OSHA Limits	ACGIH Limits	OTHER Limits			

Hazardous Component	CAS#	%	OSHA Limits	ACGIH Limits	OTHER Limits
Potassium Phosphate, Monobasic	7778-77-0	99+%	no data	no data	no data

Section 4: First Aid Measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Exposure: Wash off with soap and plenty of water. Consult a physician.

Eye Exposure: Flush eyes with water as a precaution. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

NOTE TO THE PHYSICIAN: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

Conditions of Flammability:

Not flammable or combustible.

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions: Oxides of phosphorus, Potassium oxides **Further information:**

The product itself does not burn.

Special Fire Fighting Information: Wear appropriate personal protective equipment as specified in **Section 8**. **Hazardous Combustion Products:** See **Section 10 Reactivity:** Hazardous Decomposition Products.

Section 6: Accidental Release Measures

Personal Precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust. Wear appropriate personal protective as specified in Section 8. Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Environmental and Regulatory Reporting: See Sections 12, 13 and 15

Section 7: Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls / Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment:

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection;

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Chemical Name: Potassium Phosphate, Monobasic Percent Equivalent: 99+% Physical State: solid powder Color and Appearance: white Odor: no data Odor Threshold: no data pH: no data Melting point/freezing point: Melting point/range: 252.6 °C (486.7 °F) Boiling Point: no data Flash Point: no data Ignition Temperature: no data Autoignition Temperature: no data Lower explosive limit: no data

Upper explosive limit: no data Vapor Pressure: no data Density: 2.338 g/mL at 25 °C (77 °F) Solubility in water: no data Partition coefficient n-octanol/water: no data Relative vapor density: no data Evaporation Rate: no data Chemical Formula: KH₂PO₄ Formula Wt: 136.0857 g/mol

Section 10: Stability and Reactivity

Chemical Stability (stable under normal temperature and pressures): Stable X Unstable

Possibility of hazardous reactions: no data

Conditions to Avoid: Exposure to moisture

Materials to Avoid: Strong Oxidizing agents

Hazardous Decomposition Products: Hazardous decomposition products formed under fire conditions -

Oxides of phosphorus, Potassium oxide

Other decomposition products: no data

Section 11: Toxicological Information

Acute toxicity

Oral LD₅₀ (Mouse): Approximate 1,700 mg/kg Inhalation LC50: no data available Dermal LD₅₀ (Rabbit): > 4,640 mg/kg Other information on acute toxicity: no data available Skin corrosion/irritation: no data available Serious eve damage/eve irritation: no data available Respiratory or skin sensitization: no data available Germ cell mutagenicity: no data available Carcinogenicity **IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: no data available Teratogenicity: no data available Specific target organ toxicity single exposure (Globally Harmonized System): no data available Specific target organ toxicity repeated exposure (Globally Harmonized System): no data available Aspiration hazard: no data available Potential health effects Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. Ingestion: Skin: May be harmful if absorbed through skin. May cause skin irritation. Eves: May cause eye irritation. Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Synergistic effects: no data available Additional Information: RTECS: TC661 5500

Section 12: Ecological Information

Toxicity: no data available

Persistence and Degradability: no data available

Bloaccumulative Potential: no data available

Mobility in Soil: no data available

PBT and vPvB Assessment: no data available

Other Adverse Effects: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Section 13: Disposal Considerations

Product Disposal: Offer surplus and non-recyclable solutions to a licensed disposal company. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Contaminated Packaging Disposal: Dispose of as unused product. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section 14: Transport Information

DOT (US): Not regulated **IMDG:** Not regulated **IATA:** Not regulated

Section 15: Regulatory Information

OSHA Hazards: No known OSHA hazards

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components	Cas#
Potassium dihydrogenorthophosphate	7778-77-0
New Jersey Right To Know Components	Cas#
Potassium dihydrogenorthophosphate	7778-77-0

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

ANSI - American National Standards Institute

CAS - Chemical Abstracts Service

CERCLA - Comprehensive Environmental Response, Compensation & Liability Act of 1980

CFR - Code of Federal Regulations

CHEMTREC - Chemical Transportation Emergency Center

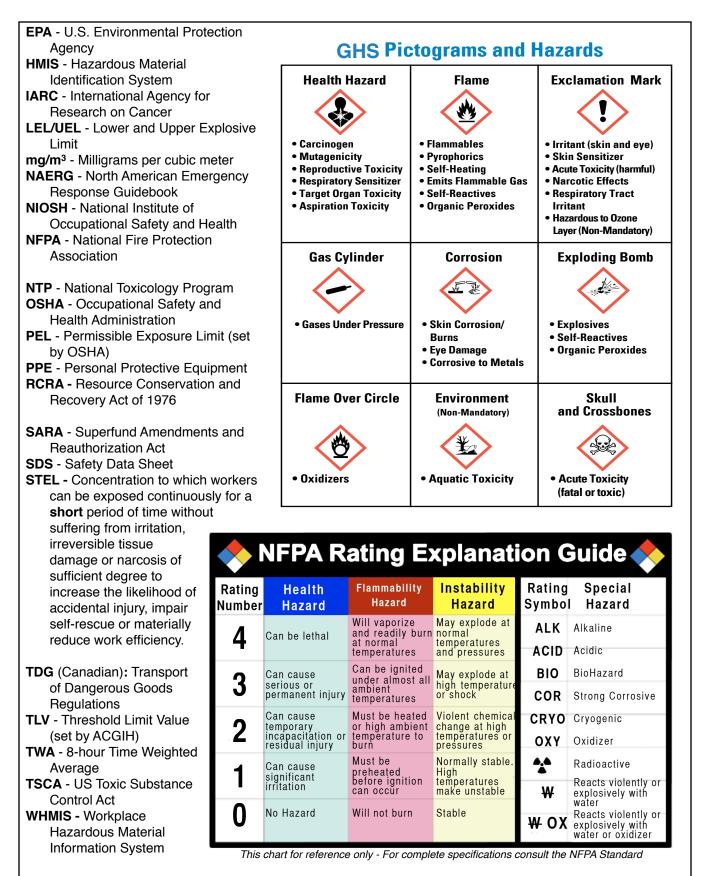
CPR - Controlled Products Regulations

CWC - Chemical Weapons Convention

DOT - U.S. Department of Transportation

DSL - Canadian Domestic Substance List

EHS - Extremely Hazardous Substance



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