



Safety Data Sheet

1. IDENTIFICATION

Product Name	MKP
Synonyms	MKP; Potassium Dihydrogen Phosphate; Potassium Phosphate monobasic
Recommended use	Fertilizer
Supplier	Valudor Products, LLC 179 Calle Magdalena Suite 100 Encinitas CA 92024 (760) 635 8500
Emergency Telephone	800-535-5053 (Infotrac)

2. HAZARD IDENTIFICATION

Classification

This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Label Elements

Not a hazardous substance or mixture

Hazards not other classified None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Chemical Name	Monopotassium Phosphate
Synonym	MKP; Potassium Dihydrogen Phosphate; Potassium Phosphate monobasic; Phosphoric acid, potassium salt (1:1)
Formula	H ₂ KO ₄ P
Molecular weight	136.09 g/mol
Cas No.	7778-77-0
Concentration	95-100%

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do so. Keep eye wide open while rinsing. Continue rinsing for 15 minutes. Call a doctor/physician if irritation persists
Skin Contact	Wash off immediately with plenty of water. Remove and

Inhalation wash all contaminated clothes and shoes. If skin irritation persists, call a doctor/physician
Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion Do not induce vomiting without medical advice. Rinse mouth with water. If conscious drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician

Most important symptoms/effects, acute and delayed

Symptoms No information available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media Not Combustible Use any means suitable for extinguishing surrounding fire.

Specific Hazards Arising from the chemical

Hazardous combustion products Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to:
Phosphorous Oxides
Potassium Oxides

Protective equipment and precautions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal precautions Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation.

Methods and materials for containment and cleanup

Methods for clean-up Sweep or vacuum up and place in an appropriate closed container. Keep unauthorized personnel away. Avoid generating dust. Wash affected area.

Environmental Precautions Prevent entry into waterways or sewers

7. HANDLING AND STORAGE

Precautions for safe handling

Do not breathe dust. Avoid dust formation. Avoid contact with eyes, skin and clothing. Use personal protective equipment recommended in section 8. Remove and wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Store in a cool/low-temperature, well-ventilated, dry place. Keep containers closed and labeled when not in use. This product is hygroscopic and may cake over time

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the work place when designing controls and selecting personal protective equipment.

Personal Protective Equipment

Eye/face protection	Safety glasses are recommended in professional settings
Skin protection	Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves. Wear long sleeved clothing and/or protective coveralls
Respiratory protection	Not required under normal circumstances. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance	White Powder
Physical state	Solid
Odor	Odorless
Odor threshold	No information available
pH	4.5 @ 1 wt/wt%
Melting point	253 C (487.4F)
Boiling point / Boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	No information available
Flammability or explosive limits	
Upper	No information available
Lower	No information available
Vapor pressure	No information available
Vapor density	No information available
Bulk Density	78 lb(s)/ft ³
Solubility in water	208 g/L @ 20C
Partition coefficient	No information available
Auto-ignition temperature	No information available

Decomposition temperature No information available
Viscosity No information available

10. STABILITY AND REACTIVITY

Reactivity None known under normal conditions.

Chemical stability Stable under ordinary conditions of use and storage.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Avoid dust formation.

Incompatible materials Strong oxidizing agents

Hazardous decomposition products Hazardous combustion can lead to the release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact May cause skin irritation
Eye contact May cause eye irritation
Inhalation May cause irritation of respiratory tract
Ingestion May be harmful if swallowed

Symptoms related to the physical chemical and toxicological characteristics

No information available

Delayed and immediate effects and also chronic effects form short and long-term exposure

Skin damage/irritation Not classified
Eye damage/irritation Not classified
Sensitization Not classified
Mutagenic effects Not classified
Carcinogenicity Not classified
Reproductive toxicity Not classified
STOT – single exposure Not classified
STOT – repeated exposure Not classified
Aspiration hazard Not classified

Acute Toxicity

Component information

Component	Cas-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Monopotassium Phosphate	7778-77-0	> 2,000 mg/kg	> 2,000 mg/kg	> 0.83 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity Should not be released to environment

Persistence and degradability No information available

Bioaccumulative potential No information available

Mobility in soil No information available

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated
IATA Not regulated
IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed

US Federal Regulations

TSCA section 12(b) Export Notification
 Not regulated

SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).
 Not applicable

SARA 311/312 Hazard Categorization

Acute health hazard No
 Chronic Health Hazard No
 Fire hazard No
 Pressure No
 Reactivity No

CERCLA/SARA 302 & 304

Product name: MKP

Revision Date: 01/19/2020

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Not applicable

CWA (Clean Water Act)

Not applicable

US State Regulations

California Proposition 65

This product does not contain any proposition 65 chemicals

16. OTHER INFORMATION

NFPA Ratings

Health: 1

Flammability: 0

Reactivity: 0

Creation Date: 02/21/2016

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Revision Number: 1.0

Revision Information Creation

Disclaimer

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