

MATERIAL SAFETY DATA SHEET

MONTEREY MKP

Page 1 of 4

Issue Date: 4/02

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY MKP

Chemical Description: Monopotassium phosphate.

TSCA/CAS No.: 7778-77-0.

Manufactured For

Monterey Chemical Company

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 431-7390

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
----------	---------	---	------------	----------

None.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Odorless, white crystals or powder. No immediate health hazard except nuisance dust. Oxides of both carbon and phosphorus will form upon heating to decomposing temperature. Stay upwind of smoke. Contain any liquid runoff. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 1

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

SECTION 4. FIRST AID

Eyes: Flush immediately with water for 2 to 3 minutes. Remove contact lenses if present and continue flushing for 15 minutes. Call a physician if eye irritation persists.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.

Ingestion: If conscious and alert, drink water or milk to dilute. Call a physician or Poison Control immediately and induce vomiting if instructed.

Inhalation: Move to fresh air. Blow nose to remove dust. If breathing becomes difficult, give oxygen and call a physician.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
------------	----------------------------

Flash Point:	Not pertinent.
Test Method:	Not pertinent.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	Oxides of both carbon and phosphorus.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None known.
Reactions that Release Flammable Gases or Vapors:	None known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	Chemical type foam, CO ₂ , dry chemical or water fog.
Special Firefighting Procedures:	Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. Cool exposed containers with water spray to prevent overheating. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
------------	------------------

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Sweep up and use according to labeling or package for disposal. Flush area with water and ensure that contaminated water is handled according to applicable laws.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
------------	----------------------

Storage:	Store in a cool, dry place. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer solutions of product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
------------	-------------------------------

Eyes:	Chemical dust/splash goggles to keep dust out of eyes. For solutions of product, use chemical/dust splash goggles or full-face shield. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed but recommend NIOSH-approved respirator (such as 3M #8500) for nontoxic nuisance dust. If use in solutions generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no specific TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	White crystals or powder.
Odor:	None.
pH:	Not available.
Vapor Pressure:	Not pertinent.
Vapor Density (Air = 1):	Not pertinent.
Boiling Point:	Not pertinent.
Freezing Point:	Not pertinent.
Water Solubility:	~0.271 at 20°C (68°F).
Density:	1.893 g/cc at 20°C (68°F).
Evaporation Rate (butyl acetate = 1):	Not pertinent.
Viscosity:	Not pertinent.
% Volatile:	Not pertinent.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not pertinent.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Heat.
Incompatibility:	None known.
Hazardous Decomposition Products:	During extremely high temperature fire conditions, the product may reach melting point and decompose to release oxides and acids of phosphorus.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Not expected to cause significant irritation to the eyes. Overexposure may lead to redness and possible itching and/or tearing of eyes.
Skin:	Not expected to cause significant irritation to the skin. Overexposure may lead to redness and/or itching of skin.
Ingestion:	Not expected to cause significant irritation of the digestive tract. Overexposure may lead to nausea and/or vomiting.
Inhalation:	Not expected to cause significant irritation of the lungs, upper respiratory tract or nose. Overexposure may lead to coughing, burning, tightness of chest and/or shortness of breath.

Subchronic Effects: None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Fertilizing Compounds (Manufactured), Dry. NMFC Item 68140 Sub 4, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.