

MATERIAL SAFETY DATA SHEET

MONTEREY KNOCK-OUT™

Page 1 of 4

Issue Date: 06/03

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY KNOCK-OUT™

Chemical Description: Dry fertilizer mixture, water soluble.

TSCA/CAS No.: This product is a mixture -- there is no specific CAS number.

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

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SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Muriate of potash	7447-40-7	9	10 mg/m ³ *	N.A.
Potassium nitrate	7757-79-1	44	10 mg/m ³ *	N.A.
Potassium sulfate	7778-80-5	45	10 mg/m ³ *	N.A.

* Based on ACGIH nuisance dust limits

N.A. = Not applicable

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Relatively odorless, yellow crystals. No immediate health hazard except nuisance dust. Keep away from combustible and flammable materials and reducing agents. Nitrogen oxides may form upon heating to decomposing temperature. Stay upwind of smoke. Contain any liquid runoff. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 2 FLAMMABILITY: 0 ENVIRONMENT: 1
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

- Eyes: Flush immediately with water for at least 15 minutes. Obtain medical advice if eye irritation persists.
- Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Obtain medical advice if skin irritation persists.
- Ingestion: If conscious and alert, drink water or milk to dilute. Call a physician or Poison Control immediately.
- Inhalation: Move to fresh air. Blow nose to remove dust. If breathing becomes difficult, give oxygen and obtain medical advice.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Noncombustible.
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:	Nitrogen oxides may form upon heating to decomposing temperature.
Properties that Initiate/Contribute to Intensity of Fire:	None identified.
Potential For Dust Explosion:	None identified.
Reactions that Release Flammable Gases or Vapors:	None identified.
Potential For Release of Flammable Vapors:	None identified.
Unusual Fire & Explosion Hazards:	None identified.
Extinguishing Media:	As appropriate for surrounding fire.
Special Firefighting Procedures:	Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. 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.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in a cool, dry place. Do not store near food, feeds or combustible materials. 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. May be harmful if swallowed or inhaled. Avoid breathing dust. 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:	Long sleeved shirts and long pants; neoprene, nitrile or leather gloves.
Respiratory:	Use NIOSH-approved respirators in areas of high dust concentrations.
Ventilation:	Local ventilation should be used as necessary to keep dust concentrations below recommended TLV.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Yellow crystals.
Odor:	Relatively none.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Soluble.
Density:	Not available.
Evaporation Rate (butyl acetate = 1):	Not pertinent.
Viscosity:	Not pertinent.
% Volatile:	Not pertinent.
Octanol/Water Partition Coefficient:	Not pertinent.
Saturated Vapor Concentration:	Not pertinent.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use. Avoid excessive heat.
Conditions To Avoid:	Combustible and flammable materials and reducing agents.
Incompatibility:	Aluminum titanium, antimony, bromine trifluoride or trichloride, calcium distilicide, citric acid, germanium, hot nitric acid, potassium dichromate, sodium acetate, sodium phosphinate, sodium thiosulfate, sulfuric acid, thorium carbide, tin chloride, and zinc.
Hazardous Decomposition Products:	Nitrogen oxides may form upon heating to decomposing temperature.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Mild irritant. May cause redness.
Skin:	Mild irritant, especially from prolonged exposure. May cause redness.
Ingestion:	May cause stomach cramps, nausea, vomiting and/or diarrhea.
Inhalation:	Inhalation of nuisance dust may cause coughing, sneezing and/or irritation of nasal mucous membranes.

Chronic Effects:

Potential effects may include anemia and methemoglobinemia characterized by dizziness, drowsiness, headaches, shortness of breath, cyanosis, rapid heart rate, kidney disease.

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: Nitrate compounds, water dissociable (44%). The nitrate portion is reportable only in aqueous solution.

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.