

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

CALPHOS

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name: MANKO CO., INC.

Emergency Telephone Number (507) 689-2131

Address P.O. BOX 369, DUNNELLON, FL 32630

Telephone Number for Information (507) 689-2131

Distributed by: CANTON MILLS, INC.

Date Prepared JANUARY 1, 2014

160 MILL ST., MINNESOTA CITY, MN 55959

Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits Recommended

% (optional)

No direct hazardous components are known.

Dust from product could cause eye, respiratory or gastric irritation. Wear dust masks and safety glasses/goggles when in contact and avoid ingesting.

Calphos is a natural mined mineral, used as a fertilizer material.

Chemical Family: Soft Rock Phosphate Mineral Ore. It is also known as Colloid Phosphate or Soft Phosphate with clay.

Section III—Physical/Chemical Characteristics

Boiling Point

Does Not Apply

Specific Gravity (H₂O = 1)

.85

Vapor Pressure (mm Hg)

Does Not Apply

Melting Point

Greater than 100° C

Vapor Density (AIR = 1)

Does Not Apply

Evaporation Rate (Butyl Acetate = 1)

Does Not Apply

Solubility in Water Low

Appearance and Odor

Yellowish tan granules and fines. Odorless

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)

Non-Flammable

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

Use media appropriate for material causing fire.

Special Fire Fighting Procedures

Use standard self-contained breathing apparatus. Wear standard protective clothing.

Unusual Fire and Explosion Hazards

None

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility (<i>Materials to Avoid</i>)			
None			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
Health Hazards (<i>Acute and Chronic</i>)			
No acute health hazards. Nuisance dust may require use of dust mask and safety glasses.			
Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
None Known			
Signs and Symptoms of Exposure			
None serious. Normal skin dryness or temporary irritation.			
Medical Conditions			
Generally Aggravated by Exposure			
None – Avoid use of contact lens in dusty conditions.			
Emergency and First Aid Procedures			
Follow good hygiene practices. Wash with soap and water.			
Flush eyes with water if irritated.			

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled	Shovel up large spills for use or disposal. Sweep up small spills.
Waste Disposal Method	Handle like any fertilizer material. Dispose of in accordance with local, state and federal regulations.
Disposal in waterways should be avoided.	
Precautions to Be Taken in Handling and Storing	Store in dry place.
Other Precautions	None

Section VIII—Control Measures

Respiratory Protection (<i>Specify Type</i>)		Standard Respirator for Dust.
Ventilation	Local Exhaust	Open windows & doors as needed.
	Mechanical (<i>General</i>)	Roof or wall exhausters as needed.
Protective Gloves	Ordinary work gloves	Eye Protection
		Safety glasses as needed
Other Protective Clothing or Equipment		
Ordinary work clothes		
Work/Hygienic Practices		
Follow normal hygiene practices. Wash with soap and water.		