

MATERIAL SAFETY DATA SHEET

Identity: Manganese Greensand

SECTION I

Name

CEI

Address28205 Scippo Creek Rd
Circleville, OH 43113**Telephone:** 800-344-5770**Fax:** 888-204-9656

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s)):
Manganese oxide (as Mn)**OSHA PEL:** N/A **ACGIH TLV:** N/A **Other Limits Recommended:** N/A **% (ocasional):** 0.5%

SECTION III – PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: N/A **Specific Gravity (H₂O = 1):** 2.4
Vapor Pressure (mm Hg.): N/A **Melting Point:** N/A
Vapor Density (AIR = 1): N/A **Evaporation Rate (Butyl Acetate = 1):** 0%
Solubility in Water: 0% **Appearance and Odor:** Black nodular granules, sand-like in appearance: no odor

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): N/A
Flammable Limits: N/A **LEL:** N/A **UEL:** N/A
Extinguishing Media:
N/A (no fire hazard)
Special fire fighting procedures:
N/A
Unusual Fire and Explosion Hazards:
N/A

SECTION V – REACTIVITY DATA

Stability: Stable **Unstable:** **Stable:** X
Conditions to Avoid: None
Hazardous Decomposition or Byproducts: None
Hazardous Polymerizations:
May Occur: **Will Not Occur:** X **Conditions to Avoid:** N/A

SECTION VI – HEALTH HAZARD DATA

Route(s) of entry: **Inhalation:** Yes **Skin:** Yes **Ingestion:** Yes

Health hazards (acute and chronic):

Inhalation-normal dust symptoms
Ingestion-NOT TOXIC
Eye contact-will act as irritant
Skin contact-no acute effects

Carcinogenicity	NTP	IARC Monographs	OSHA regulations
	No	No	No

Signs and symptoms of exposure:

Inhalation-normal dust symptoms
Ingestion-NOT TOXIC
Eye contact-will act as irritant
Kin Contact-no acute effects

Medical conditions generally aggravated by exposure:

N/A

Emergency and first aid procedures:

EYE CONTACT: Flush eye with running water; seek medical attention if required.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Sweep up. See below for waste disposal.

Waste disposal methods:

Bury in licensed landfill according to local, state, and federal regulations.

Precautions to be taken in handling and storing:

Keep away from HCl

Other precautions:

None

SECTION VIII – CONTROL MEASURES

Respiratory protection (specify type):

"Dust and mist not more toxic than lead" USBM 21B-23, 21B-92, 21B-63, T.C. 21-132

Ventilations:	Local Exhaust:	Special:
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Mechanical (general):	Other: None required other than for dust
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Protection gloves: None required

Eye protection: Conventional dust protection

Other protective clothing or equipment:

None required

Work/hygienic practices:

Conventional dust protection