

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



<p>IDENTITY (As Used on Label and List) Manganese Greensand</p>	<p>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.</p>
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Section I

<p>Manufacturer's Name: Inversand Company</p>	<p>Emergency Telephone Number: 856-881-2345</p>
<p>Address (Number, Street, City, State, and ZIP Code)</p>	<p>Telephone Number for Information 856-881-2345</p>
<p>226 Atlantic Ave., Clayton, NJ 08312</p>	<p>Date Prepared 10-04-2011</p>
	<p>Signature of Preparer (optional)</p>

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<p>Glauconite: CAS # 90387-66-9</p>	<p>N/A</p>	<p>N/A</p>		<p>96% - 97%</p>
<p>Manganese Oxide: CAS # 1313-13-9</p>	<p>N/A</p>	<p>0.2 mg/m² as Mn</p>		<p>3% - 4%</p>

Section III - Physical/Chemical Characteristics

Boiling Point	None	Specific Gravity (H ₂ O = 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 size and 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			
Special Fire Fighting Procedures N/A			
Unusual Fire and Explosion Hazards N/A			

(Reproduce locally)

OSHA 174, Sept. 1985

Section V - Reactivity Data

Stability	Unstable	No	Conditions to Avoid N/A
	Stable	Yes	
Incompatibility (<i>Materials to Avoid</i>)			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur	No	Conditions to Avoid N/A
	Will Not Occur	Yes	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (<i>Acute and Chronic</i>) Contact with particulate may cause moderate eye irritation. Abrasive action of the dust can cause eye damage. Prolonged or repeated skin contact may cause moderate irritation. Inhalation of airborne particulate and dust is irritating to the nose, throat and respiratory tract. Inhalation of excessive levels of dust may be harmful, possible Manganese poisoning.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Exposure to dust can cause tearing of the eyes, burning sensation in the throat, coughing, and chest discomfort.			
Medical Conditions Generally Aggravated by Exposure Dust may aggravate chronic lung conditions, e.g. bronchitis, asthma, etc.			
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

Vacuum or sweep up dry material and place in a container for reuse. Avoid creating excessive airborne dust.

Waste Disposal Method

This product is suitable for landfill disposal. Follow all Federal, State, and Local laws, rules and regulations regarding proper disposal.

Precautions to Be taken in Handling and Storing

Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with skin and eyes.

Other Precautions

Wear protective safety goggles when dust generation is likely. Wear sturdy clothing sufficient to cover skin, such as long sleeve shirt, long pants and gloves. Use NIOSH/MSHA approved respiratory protection (*air purifying*) when excessive dust is generated.

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

Use NIOSH/MSHA approved respiratory protection (*air purifying*) when excessive dust is generated. A respiratory program that meets OSHA 29 CFR part 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant use of a respirator.

Ventilation	Local Exhaust Dust control	Special
	Mechanical (<i>General</i>)	Other Dust protection

Protective Gloves Not required	Eye Protection Protective safety goggles.
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Other Protective Clothing or Equipment

Not required

Work/Hygienic Practices

Wash hands and contaminated clothing after transferring product. Dust control.