



Health	2
Fire	1
Reactivity	0
Personal Protection	E

## Safety Data Sheet

### SQM Manganese Sea-Questra-Min

#### Section 1: Chemical Product and Company Identification

<b>Product Name:</b> SQM Manganese Sea-Questra-Min	<b>Contact Information:</b> <b>QualiTech, Inc.</b> 318 Lake Hazeltine Drive Chaska, MN 55318  Phone: <b>1-800-328-5870</b>
<b>Product Code:</b> 5722	
<b>CAS #:</b> Not applicable.	
<b>RTECS:</b> Not available.	
<b>TSCA:</b> TSCA Not available.	
<b>IFN #:</b> Not Applicable	
<b>Synonym:</b> Sequestered Minerals	<b>24 hr Emergency Phone: Infotrack</b> <b>(800) 535-5053</b>
<b>Chemical Name:</b> Polysaccharide Mineral Complex	
<b>Chemical Formula:</b> Polysaccharide Complexes of Manganese	

#### Section 2: Hazards Identification

<b>Potential Acute Health Effects:</b>	Hazardous in case of skin contact, eye contact, inhalation.
<b>Potential Chronic Health Effects:</b>	None identified
<b>Carcinogenic Effects:</b>	Not available
<b>Teratogenic Effects:</b>	Not available

#### Section 3: Composition and information on Ingredients

##### Composition:

Name	CAS #	% by Weight
Manganese Sulfate	10034-96-5	35

**Toxicological Data on Ingredients:** Manganese Sulfate

#### Section 4: First Aid Measures

<b>Eye Contact:</b>	Irritation; Flush immediately with water for at least 15 minutes. Keep eye lids open. Seek medical attention.
<b>Skin Contact:</b>	Mild Irritation; Wash thoroughly with antibacterial soap and water. Cover contaminated area with antibacterial cream. Seek medical attention.
<b>Serious Skin Contact:</b>	Irritation; Wash thoroughly with antibacterial soap and water. Cover contaminated area with antibacterial cream. Seek medical attention.
<b>Inhalation:</b>	Irritation; Move to fresh air. If breathing becomes difficult seek medical attention.
<b>Serious Inhalation:</b>	Irritation; Move to fresh air. If breathing becomes difficult seek medical attention.
<b>Ingestion:</b>	Nausea; Do not induce vomiting. If victim is not breathing administer artificial respiration. Call physician and Poison Control Center immediately.
<b>Serious Ingestion:</b>	Nausea; Do not induce vomiting. If victim is not breathing administer artificial respiration. Call physician and Poison Control Center immediately.

### Section 5: Firefighting Measures

<b>Suitable Extinguishing Media:</b>	CO2, Foam, Water Spray or Fog
<b>Unsuitable Extinguishing Media:</b>	Not applicable.
<b>Risks Associated with Unsuitable Extinguishing Media:</b>	Not applicable.
<b>Flammability of Product:</b>	Not available.
<b>Auto-Ignition Temperature:</b>	Not available.
<b>Flash Points:</b>	Not applicable.
<b>Flammable Limits:</b>	Not applicable.
<b>Products of Combustion:</b>	SO2.
<b>Fire Hazards in Presence of Various Substances:</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances:</b>	Not available.
<b>Risk of Explosion in Presence of Mechanical Impact:</b>	Not available.
<b>Fire Fighting Media and Instructions:</b>	Not applicable.
<b>Special Remarks on Fire Hazards:</b>	Avoid exposure to smoke and fumes.
<b>Special Remarks on Explosion Hazards:</b>	Not available.

### Section 6: Accidental Release Measure

<b>Personal Protective Equipment Required:</b>	Splash goggles, dust respirator, suitable protective clothing, impervious gloves.
<b>Emergency Procedures:</b>	Not available.
<b>Environmental Precautions:</b>	Not available.
<b>Small Spill Cleanup:</b>	Use appropriate tools to put spilled solid in a conventional waste disposal container.
<b>Large Spill Cleanup:</b>	Use appropriate tools to put spilled solid in a conventional waste disposal container.

### Section 7: Handling and Storage

<b>Precautions for Safe Handling:</b>	Do not ingest. Do not breathe dust. Wear suitable protective clothing. Empty containers pose fire risk. Evaporate under fume hood.
<b>Safe Storage Conditions:</b>	Keep container tightly closed. Keep container in a cool, dry, well-ventilated area.
<b>Storage Incompatibilities:</b>	Sources of heat, ignition, and moisture.

### Section 8: Exposure Controls/Personal Protection

<b>Control Parameters:</b>	PEL (TWA)	Not available.	REL:	Not available.
	TLV (TWA)	Not available.	IOELV:	Not available.

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels low.

**Personal Protection:**

Splash goggles, dust respirator, suitable protective clothing, impervious gloves.

**Personal Protection in the Event of a Large Spill:**

Splash goggles, dust respirator, suitable protective clothing, impervious gloves.

### Section 9: Physical and Chemical Properties

<b>Physical State and Appearance:</b>	Powdered Solid
<b>Taste:</b>	Not available.
<b>Molecular Weight:</b>	Not available.
<b>Color:</b>	Tan to Brown.
<b>Odor:</b>	Odorless.
<b>Odor Threshold:</b>	Not applicable.
<b>pH</b>	Not available.
<b>Melting Point/Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not available.
<b>Upper/Lower Flammability or Explosive Limits:</b>	Not available.
<b>Specific Gravity (kg/l):</b>	60-80 lb/ft <sup>3</sup>
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Solubility (ies):</b>	Partially soluble in water.
<b>Partition Coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition Temperature:</b>	Not available.
<b>Decomposition Temperature:</b>	Not available.

### Section 10: Stability and Reactivity

<b>Stability:</b>	The product is stable.
<b>Instability Temperature:</b>	Not available.
<b>Conditions of Instability:</b>	Excess heat, ignition source, moisture.
<b>Special Remarks on Reactivity:</b>	Ground all equipment containing material.
<b>Corrosivity:</b>	Not available.
<b>Polymerization:</b>	Will not occur.
<b>Incompatible Materials:</b>	Not available.
<b>Hazardous Decomposition Products:</b>	Not available.

### Section 11: Toxicological Information

<b>Routes of Entry:</b>	Inhalation. Ingestion. Skin Contact.
<b>Toxicity to Animals:</b>	Not available.
<b>Acute Symptoms of Exposure on Humans:</b>	Nausea, skin & eye irritation.
<b>Chronic Symptom Effects on Humans:</b>	Not available.
<b>Other Toxic Effects on Humans:</b>	

Not available.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Acute Effects on Humans:**

Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on Other Toxic Effects on Humans:** Not available.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD 5 and COD:** Not available.

**Products of Biodegradation:** Not available.

**Persistence and Degradability:** Not available.

**Mobility in Soil:** Not available.

**Other Adverse Effects:** Not available.

### Section 13: Disposal Considerations

**Waste Disposal:** Take up by mechanical means (sweep/shovel) and transfer to appropriate container. Avoid excessive dust. Dispose of empty bags and any waste product in accordance with all applicable laws and regulations.

See Section 8 for appropriate PPE.

### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

### Section 15: Other Regulatory Information

**Federal and State Regulations:** SARA 313 toxic chemical notification and release reporting.

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR

**Other Classifications:** Not available.

**WHMIS (Canada):** CLASS D-2B: Material causing other toxic effect is (TOXIC).

**DSCL (EEC):** R22-Harmful if swallowed. R36/38-Irritating to eyes and skin.

**Protective Equipment:** Splash goggles, dust respirator, suitable protective clothing, impervious gloves.

HMIS (U.S.A)	
Health Hazard:	2
Fire Hazard	1
Reactivity:	0
Personal Protection:	E

NFPA (U.S.A)	
Health:	2
Flammability:	1
Reactivity:	0
Specific Hazard:	N/A

### Section 16: Other Information

**References:** The Sigma-Aldrich Library of Chemical Safety Data, Edition III

**Other Special Considerations:** Not available.

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