

## 1. Product and Company Identification

<b>Product Code:</b>	Z-MIXRITEMN	
<b>Product Name:</b>	MIXRITE MANGANESE	
<b>Company Name:</b>	Stoller 9090 Katy Freeway Suite 400 Houston, TX 77055	<b>Phone Number:</b> 1 (713)461-1493
<b>Web site address:</b>	www.stollerusa.com	
<b>Email address:</b>	stoller@stollerusa.com	
<b>Emergency Contact:</b>	Chemtrec, In the US and Canada call Chemtrec, From other countries call	1 (800)424-9300 +1 (703)527-5283
<b>Information:</b>		1 (800)539-5283

## 2. Hazards Identification

**Acute Toxicity: Inhalation, Category 5**  
**Acute Toxicity: Oral, Category 5**  
**Acute Toxicity: Skin, Category 5**  
**Serious Eye Damage/Eye Irritation, Category 2B**

<b>GHS Signal Word:</b>	<b>Warning</b>
<b>GHS Hazard Phrases:</b>	H303 - May be harmful if swallowed. H313 - May be harmful in contact with skin. H320 - Causes eye irritation. H333 - May be harmful if inhaled.
<b>GHS Precaution Phrases:</b>	P264 - Wash hands thoroughly after handling.
<b>GHS Response Phrases:</b>	P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P337+313 - If eye irritation persists, get medical advice/attention.
<b>GHS Storage and Disposal Phrases:</b>	P501 - Dispose of contents/container to treatment at a permitted facility or as advised by your local regulatory authority.
<b>Potential Health Effects (Acute and Chronic):</b>	Acute: May cause respiratory tract irritation.
<b>Inhalation:</b>	May be harmful if inhaled, may cause irritation of upper respiratory tract.
<b>Skin Contact:</b>	May cause skin irritation. May be harmful if absorbed through skin.
<b>Eye Contact:</b>	Contact with product may cause slight to moderate eye irritation.
<b>Ingestion:</b>	May be harmful if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
15375-84-5	Manganate(2-),N,N'-1,2-ethanediybisN-(carboxymethyl)glycinato(4-)-N,N',O,O',ON,ON'-, disodium, (OC	<=100.0 %	NA

### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. Always bring with victim a copy of label and SDS of product to health professional.
<b>In Case of Inhalation:</b>	Move patient to fresh air. Supplemental oxygen may be needed if shortness of breath occurs. Assure mucous does not obstruct airways. Seek medical attention if victim's breathing becomes difficult.
<b>In Case of Skin Contact:</b>	Take off contaminated clothing and rinse skin immediately with plenty of water for 15 to 20 minutes. Seek medical attention if irritation occurs.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes. Seek medical attention should severe irritation occurs.
<b>In Case of Ingestion:</b>	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Immediately contact a physician or poison control center. Have patient drink several glasses of water, DO NOT induce vomiting unless instructed to by a physician. GET MEDICAL ATTENTION IMMEDIATELY.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Water, CO2 or Dry Chemicals may be used to fight surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	N.A.
<b>Fire Fighting Instructions:</b>	None specific for this product, however, it is suggested that firefighters wear self-contained breathing apparatus (SCBA) and full protective equipment, such as chemical resistant clothing.
<b>Flammable Properties and Hazards:</b>	N.A.
<b>Hazardous Combustion Products:</b>	N.A.

### 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	In case of a large spill, clear and isolate the affected area and protect people. Such releases should be responded to by trained personnel using pre-planned procedures.
<b>Environmental Precautions:</b>	In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and rubber boots, goggles or full face-shield, long sleeved shirt and pants and NIOSH/OSHA approved dust respirator.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Keep product from entering drains or other waterways in large quantities. It is necessary to contain the spill into the smallest area possible by sweeping, scooping, diking, etc. and recover the product into an appropriate container, labeling it accordingly for use as intended following original label directions.

If product is clean, use it as intended, following original label directions; should it get contaminated, salvage for proper disposal as waste.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Avoid breathing dusts; use in a well ventilated location or wear an appropriate respirator.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.

**Other Precautions:** N.A.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
15375-84-5	Manganate(2-),N,N'-1,2-ethanediybisN-(carboxymethyl)glycinato(4-)-N,N',O,O',ON,ON'-, disodium, (OC	No data.	No data.	No data.

**Recommended Exposure Limits:** N.A.

**Respiratory Equipment (Specify Type):** Wear a NIOSH/OSHA approved respirator if working conditions require doing so.

**Eye Protection:** Safety glasses should be worn in any type of operation with chemicals.

**Protective Gloves:** Protective gloves, long sleeved shirt and long pants, as well as protective shoes should be worn as a good safety practice.

**Other Protective Clothing:** Long-sleeved shirt, long pants and protective shoes should be worn as a good safety practice.

**Engineering Controls (Ventilation etc.):** General ventilation is usually adequate. Local exhaust may be used depending on working conditions.

**Work/Hygienic/Maintenance Practices:** Do not eat, smoke or chew tobacco or gum when handling chemicals.

**Environmental Exposure Controls:** N.A.

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ ] Liquid [ X ] Solid

**Appearance and Odor:** Beige powder.

**pH:** 5 - 7

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** No data.

**Evaporation Rate:** No data.

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Specific Gravity (Water = 1):** No data.  
**Solubility in Water:** No data.  
**Octanol/Water Partition Coefficient:** No data.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** No data.

### 10. Stability and Reactivity

**Reactivity:** Reacts with strong oxidizing agents.  
**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Stable under normal conditions.  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition or Byproducts:** In case of fire may release toxic fumes (NOx, CO)  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** Heating of the product at high temperatures (>200C)

### 11. Toxicological Information

**Toxicological Information:** N.A.  
**Irritation or Corrosion:** N.A.  
**Symptoms related to Toxicological Characteristics:** N.A.  
**Chronic Toxicological Effects:** N.A.

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
15375-84-5	Manganate(2-),N,N'-1,2-ethanediy bisN-(carboxymethyl)glyc	n.a.	n.a.	n.a.	n.a.
	inato(4-)-N,N',O,O',ON,ON'-, disodium, (OC				

### 12. Ecological Information

**General Ecological Information:** The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Section 6 "Accidental Release Measures."  
**Results of PBT and vPvB assessment:** N.A.  
**Persistence and Degradability:** N.A.  
**Bioaccumulative Potential:** N.A.  
**Mobility in Soil:** N.A.

### 13. Disposal Considerations

**Waste Disposal Method:** Waste disposal must be done following all Federal, State and Local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:**

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** MIXRITE MANGANESE.

**LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:** MIXRITE MANGANESE.

**UN Number:**

**Hazard Class:**

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** MIXRITE MANGANESE.

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
15375-84-5	Manganate(2-),N,N'-1,2-ethanediybisN-(carboxy methyl)glycinato(4-)-N,N',O,O',ON,ON'-, disodium, (OC	No	No	Yes-Cat. N450

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard

**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard

**for SARA Title III Sections**  Yes  No Fire Hazard

**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard

Yes  No Reactive Hazard

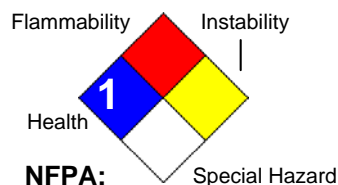
CAS #	Components (Chemical Name)	Other US EPA or State Lists
15375-84-5	Manganate(2-),N,N'-1,2-ethanediybisN-(carboxy methyl)glycinato(4-)-N,N',O,O',ON,ON'-, disodium, (OC	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

CAS #	Components (Chemical Name)	International Regulatory Lists
15375-84-5	Manganate(2-),N,N'-1,2-ethanediybisN-(carboxy methyl)glycinato(4-)-N,N',O,O',ON,ON'-, disodium, (OC	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No; REACH: Yes - (R), (P)

## 16. Other Information

**Revision Date:** 06/01/2016

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

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