

# TREVIGEN®

## MATERIAL SAFETY DATA SHEET

### CHEMICAL IDENTIFICATION

**PRODUCT NAME:** 50X Mn<sup>2+</sup>

CATALOG NUMBERS: **4810-30-14**; 4810-30-CK; 4810-30-K; 4810-30-R; 4811-30-K; 4812-30-K; 4826-30-K

### COMPOSITION/INFORMATION ON INGREDIENTS

Manganese Chloride Solution

CAS#: none

SARA 313: Yes

### HAZARDS IDENTIFICATION

Label Precautionary Statements: Irritant. Target Organs: Nerves; lungs; male reproductive system.

Emergency Overview:

HMIS RATING: Health: 2

Flammability: 0

Reactivity: 0

NFPA RATING: Health: 2

Flammability: 0

Reactivity: 0

### FIRST AID MEASURES

Eye exposure: In case of contact, flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Oral exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Dermal exposure: In case of contact, immediately wash skin with soap and plenty of water.

Inhalation exposure: If inhaled, remove to fresh air. If breathing with difficulty, give oxygen. If not breathing, give artificial respiration. Call a physician.

### FIRE FIGHTING MEASURES

FLASH POINT N/A

AUTOIGNITION TEMP N/A

FLAMMABILITY N/A

EXTINGUISHING MEDIA

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear laboratory coat, safety goggles, rubber boots, and heavy rubber gloves. Wash contaminated clothing thoroughly after handling and before reuse.

### METHODS FOR CLEANING UP

Absorb on sand or vermiculate and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

### HANDLING

Storage: -20 °C

### STABILITY

Stable: stable.

Materials to Avoid: Strong reducing agents.

Hazardous decomposition products: Hydrogen chloride, irritating and toxic fumes and gases, oxides of manganese.

### ROUTE OF EXPOSURE

Inhalation: May be harmful; material may be irritating to mucous membranes and upper respiratory tract.

Skin: May cause skin irritation. May be harmful if absorbed through the skin.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

CONTINUED ON NEXT PAGE

**TARGET ORGAN(S) OR SYSTEM(S)**

Nerves. Lungs. Testes and male reproductive system.

**DISPOSAL**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix this liquid with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**SHIPPING**

DOT: Not Hazardous

IATA: Not Hazardous

**REGULATORY INFORMATION**

US CLASSIFICATION AND LABEL TEXT

Target organs: Nerves; Lungs. Male reproductive system.

SARA LISTED: Yes

NOTES: This product is or contains a component that is subject to SARA313 reporting requirements.

**OTHER INFORMATION**

The above information is believed to be correct, however, the physical, chemical, and toxicological properties of the product may not yet have been fully characterized. Trevigen recommends the use of gloves, lab coats and eye protection while using or handling this product. Trevigen assumes no liability for damage resulting from handling or contact with the above product. This MSDS does not represent any guarantee of the properties of the product.

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