

# SAFETY DATA SHEET

## 1 IDENTIFICATION

**Product Name:** PCT NutraBurst™ Manganese 5%  
**Common Name:** Liquid Manganese Solution  
**Chemical Name:** Chelated Manganese Solution  
**Application/Uses:** Agricultural, Fertilizer-See product label for full directions for use  
**Restrictions:** See product label for any potential use restrictions  
**EPA Reg#:** Exempt

**Manufactured By:**  
**SUNRISE COOPERATIVE**  
 16420 McCartyville Rd.  
 Kettlersville, OH 45336  
 Phone: 937-693-8311

**Emergency Contact:** In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals call **CHEMTREC 1-800-424-9300 (24 hours)**

## 2 HAZARD(S) IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- 4 Acute Oral Toxicity
- 4 Acute Inhalation Toxicity
- 4 Acute Dermal Toxicity
- 2B Eye Irritation
- 2 Skin Irritation
- 3 Specific Target Organ Toxicity (Single Exposure)

### Hazard Classification



**WARNING**

OSHA/HCS: This material is not considered hazardous by the OSHA Health Communication Standard (29 CFR 1910.1200)

### Hazard Statements:

#### Physical:

- None known

#### Health:

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H320 Causes eye irritation
- H332 Harmful if inhaled
- H335 May cause respiratory irritation

#### Environment:

- None known

### Precautionary Statements:

#### Prevention: (Refer to Section 8: Exposure/Protection)

- P261 Avoid breathing dust/fumes/mist/vapors/spray
- P264 Wash hands, face, and other affected areas thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P273 Avoid release to the environment

#### Response: (Refer to Section 4: First-Aid)

- P301+P312+P330 IF SWALLOWED: Call a poison control center or doctor/physician if you feel unwell. Rinse mouth.
- P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor/physician if you feel unwell
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P362+P364 Take off contaminated clothing and wash it before reuse
- P332+P313 If skin irritation occurs: Get medical advise/attention
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advise/attention

#### Storage: (Refer to Section 7: Handling/Storage)

- P405 Store locked up

#### Disposal: (Refer to Section 13: Disposal)

- P501 Disposed of contents/containers in accordance with local/state/Federal laws and regulations.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name / Ingredient	OSHA PEL	ACGIH TLV	CAS#	% (by wt.)
Manganese chloride	5 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	7773-01-5	10-20%
Ethylenediaminetetraacetic acid	NA	NA	60-00-4	10-30%
Monoethanolamine	6 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>	141-43-5	10-15%

See product label for exact composition

**4 FIRST-AID MEASURES**

**Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment.

**Skin:** Remove any contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**Ingestion:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

**For a medical emergency involving this product** have the product container or label with you when calling a poison control center or doctor.

**5 FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

Foam       Water Spray       Dry Chemical       CO<sub>2</sub>       Alcohol Foam       Other

**Fire-Fighting Equipment and Procedures:** Wear NIOSH/MSHA approved positive pressure, self-contained breathing apparatus. Foam system is preferred because uncontrolled water can spread possible contamination. Dike area to prevent run-off from entering drains, sewers, or bodies of water. Avoid breathing vapors. Keep upwind.

**General Hazards:** Toxic fumes may be emitted in a fire situation.

**Explosion Hazards:** Closed containers exposed to high heat may rupture violently. Use water spray to keep exposed containers cool.

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Always wear proper protective equipment when handling this product. (Refer to Section 8 PPE)

**Containment:** Dike area with sand, clay, or earth to prevent product from reaching drains, sewers or waterways.

**Clean-up:** Cover spill with an inert absorbent material such as sand, vermiculite or kitty litter. Vacuum, scoop, or sweep up and place in labeled container for proper disposal.

**Disposal:** Dispose of in accordance with local, state, and Federal laws and regulations.

**7 HANDLING AND STORAGE**

**Handling:** Practice care and good safety precautions when handling this product. Avoid contact with eyes, skin, and clothing. Wash exposed areas thoroughly after handling. Ensure adequate ventilation. Reseal container after each use.

**Storage:** Store in a cool, dry place, out of reach of children and animals. Store locked up in original container. Keep container tightly closed. Store at temperature above 32°F. Do not store near open flames. Do not reuse containers.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits:** Refer to Section 3 for OSHA PEL and ACGIH TLV exposure limits if available

**Engineering Controls:** Work in a well-ventilated area with access to an eyewash station.

**Personal Protective Equipment (PPE):**

- **Eyes:** The use of chemical safety goggles or shielded safety glasses is recommended.
- **Skin:** Wear protective clothing: long-sleeved shirt, long pants, shoes and socks, and impervious gloves.
- **Inhalation:** For most well-ventilated conditions, no respiratory protection should be needed. If used in poorly ventilated area, use a NIOSH respirator approved for general particulates.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear/Amber/Liquid

**Odor:** Odorless

**Odor threshold:** Not determined

**ph:** 8

**Melting point:** Not determined

**Freezing point:** Not determined

**Initial boiling point:** Not determined

**Boiling range:** Not determined

**Flash point:** >140°F

**Evaporation rate:** Not determined

**Flammability:** Non-flammable

**Upper flammability limit:** Not determined

**Lower flammability limit:** Not determined

**Vapor pressure (mm Hg):** Not determined

**Vapor density (Air=1):** Not determined

**Specific gravity (H<sub>2</sub>O=1):** 1.29

**Solubility (wt%)** 100%

**Partition coefficient:**<sub>n-octanol/water</sub> Not determined

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

**Density:** 10.8



**10 STABILITY AND REACTIVITY**

**Stability:** Stable at ambient temperature and pressure, under normal storage and handling conditions.

**Reactivity:** None known

**Conditions to Avoid:** Extreme temperatures

**Possibility of Hazardous Reaction** Will not occur

**Incompatibility:** Strong oxidizers, bases or alkali

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide and chloride fumes under extreme heat.

**11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** estimates

Oral LD<sub>50</sub> >1,500 mg/kg

Dermal LD<sub>50</sub> >2,500 mg/kg

Inhalation LC<sub>50</sub> >1.3 mg/l

**Eyes:** Causes moderate but reversible irritation

**Skin:** Causes moderate but reversible irritation

**Inhalation:** May cause irritation of upper respiratory tract

**Ingestion:** May cause gastric upset if swallowed

**Chronic Toxicity:**

**Carcinogenicity:** None known

**Teratogenicity:** None known

**Mutagenicity:** None known

**Reproductive Toxicity:** None known

**Chronic Effects:** May cause damage to organs through prolonged or repeated exposure

**12 ECOLOGICAL INFORMATION**

**Aquatic Toxicity:** Not determined

**Soil Absorption/Mobility:** Not determined

**Avian Toxicity:** Not determined

**Persistence and Degradability:** Not determined

**Bee Toxicity:** Not determined

**Bioaccumulative Potential:** Not determined

**13 DISPOSAL CONSIDERATIONS**

Minimize impact to water, sewer, and drainage systems, except when used as intended. Dispose of waste at an approved site according to the RCRA classification and hazard status along with Federal, state and local laws and regulations. Do not reuse product containers. Triple rinse, puncture and dispose of in accordance with Federal, state and local laws and regulations.

**14 TRANSPORT INFORMATION**

This product is not regulated as a hazardous material by the U.S. Department of Transportation.

**15 REGULATORY INFORMATION**

**SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES**

**Immediate (acute) Health:** Yes

**SEC 302:** Not listed

**Delayed (chronic) Health:** No

**SEC 313:** Not listed

**Fire Hazard:** No

**CERCLA:** Not listed

**Sudden Release of Pressure:** No

**Reactivity Hazard:** No

**16 OTHER INFORMATION**

**Date of Revision:** 4/3/2018

**Supersedes:** 3/22/2018

Preparation and distribution of this Safety Data Sheet done by Sunrise Cooperative, Progressive Crop Technology, 16420 McCartyville Road, Kettlersville, OH 45336, pursuant the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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**For further information, contact: Sunrise Cooperative, Progressive Crop Technology, 16420 McCartyville Road, Kettlersville, OH 45336. Toll Free: (877) 693-8311. Fax: (937) 306-1058**