

SAFETY DATA SHEET

1 IDENTIFICATION

Product Name: PCT NutraBurst® Manganese 5% II
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 ³	0.1 mg/m ³	7773-01-5	10-20%
Ethylenediaminetetraacetic acid	NA	NA	60-00-4	10-30%
Monoethanolamine	6 mg/m ³	6 mg/m ³	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 CO₂ 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	Upper flammability limit: Not determined
Odor: Odorless	Lower flammability limit: Not determined
Odor threshold: Not determined	Vapor pressure (mm Hg): Not determined
ph: 8	Vapor density (Air=1): Not determined
Melting point: Not determined	Specific gravity (H₂O=1): 1.29
Freezing point: Not determined	Solubility (wt%): 100%
Initial boiling point: Not determined	Partition coefficient: _{n-octanol/water} Not determined
Boiling range: Not determined	Auto-ignition temperature: Not determined
Flash point: >140°F	Decomposition temperature: Not determined
Evaporation rate: Not determined	Viscosity: Not determined
Flammability: Non-flammable	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 LD₅₀ >1,500 mg/kg

Dermal LD₅₀ >2,500 mg/kg

Inhalation LC₅₀ >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

Avian Toxicity: Not determined

Bee Toxicity: Not determined

Soil Absorption/Mobility: Not determined

Persistence and Degradability: 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

Delayed (chronic) Health: No

Fire Hazard: No

Sudden Release of Pressure: No

Reactivity Hazard: No

SEC 302: Not listed

SEC 313: Not listed

CERCLA: Not listed

16 OTHER INFORMATION

Date of Revision: 11/22/2019

Supersedes:

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