

SAFETY DATA SHEET

POWDER D: MICROS

SDS No: S-2016/3

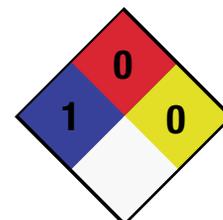
Creation Date: Nov. 09, 2023
Last Review: May 29, 2024

SECTION I. IDENTIFICATION

Name: Powder D: MICROS
Formula: 8Fe+1Zn+2Mn+.9B+.2Cu+.9Mo
Uses and applications: Crop nutrients for agricultural use
Restrictions: No compatible with oxidizables.
Manufactured by: Canopy Crop Management
Address: 5619 DTC Parkway
Suite 900
Greenwood Village, CO 80111
Website: www.driphydro.com
Emergency Phone No: CHEMTREC, U.S.: 1-800-424-9300
(24/7) International: +1-703-527-3887

SECTION II. HAZARD IDENTIFICATION

Signal word: WARNING
Risk Level: Low Risk
Stability: The product is stable under suitable conditions of handling and storage.



H 316.- Causes skin irritation
H 320.- Causes eye irritation

SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS

Formula: 8Fe+1Zn+2Mn+.9B+.2Cu+.9Mo

Chemical Family: Inorganic Compound

Synonyms: Soluble Fertilizer

Composition:

| | |
|-----------------|-------|
| Boron (B) | 0.98% |
| Copper (Cu) | 0.25% |
| Iron (Fe) | 8.13% |
| Manganese (Mn) | 2.60% |
| Molybdenum (Mo) | 0.98% |
| Zinc (Zn) | 1.30% |

INGREDIENTS

CAS No.

| | |
|-------------------|------------|
| Zinc EDTA | 14025-21-9 |
| Iron EDTA | 15708-41-5 |
| Manganese EDTA | 15375-84-5 |
| Copper EDTA | 14025-15-1 |
| Sodium Octaborate | 12280-03-4 |
| Sodium Molybdate | 7631-95-0 |

SECTION IV. FIRST AID MEASURES

Eye Contact:

Check of and remove any contact lenses. Immediately rinse eyes with plenty water for 15 minutes. Sick medical attention.

Skin Contact:

Remove contaminated clothing and shoes, and wash the affected area for a period of 15 minutes with water. If irritation develops, seek medical attention immediately.

Inhalation:

If respiratory symptoms develop, remove patient to a well-ventilated area. If symptoms persist, seek medical attention.

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SECTION IV. FIRST AID MEASURES (Cont.)

Ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Call a physician immediately.

SECTION V. FIRE-FIGHTING MEASURES

Extinguishing Agent:

Use water in flooding quantities or use an agent suitable to surround fire

Special Procedures:

Use water spray to keep fire-exposed containers cool.

Protective equipment to fight the fire:

Fire fighters should wear positive pressure SCBA and full turnout gear.

Additional Information:

Calcium Nitrate is not combustible, but it is a strong oxidizer that enhances the combustion of other substances. Poisonous gases are produced in fire, including nitrogen oxides.

SECTION VI. ACCIDENTAL RELEASE MEASURES

- If spilled could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. Call Chemtrec in USA at 800-424-9300; in other countries call Chemtrec at (Int'l Code) + 1-703-527-3887.
- Dispose according to local laws. Avoid the formation of dust. Keep away from sources of ignition.
- Personal protection equipment (gloves, safety glasses, boots and overall). The use of appropriate respiratory protection.
- Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways.

SECTION VII. HANDLING AND STORAGE

Handling: Ensure there is ventilation in the work site. Avoid accumulation of dust. Avoid skin or eye contact, inhalation and ingestion. Do not eat or smoke during the handling of this product. Wash clothing with a detergent and hot water. Users should wash hands before eating, drinking, smoking, or using the restroom. Use appropriate protective equipment.

Storage: Store this material in cool, dry, well-ventilated areas out of direct sunlight. Keep away from heat, any incompatible material, or ignition sources. Protect against physical damage. Separate from reducing media, strong acids, and liquids with low point of combustion, and inflammable materials. Protect from humid environments. Maintain away from food, beverages and animal food.

Disposal: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

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SECTION VIII. EXPOSURE CONTROL / PERSONAL PROTECTION

| | |
|--|---|
| Exposure Guidelines: | OSHA PEL = 2 ppm (5 mg/m ³) TLV = 2 ppm IDLH (IPVS) = 100 ppm |
| Appropriate Engineering Controls: | Ensure good ventilation of the work station. |
| Personal Protective Equipment: | For personal protection use gloves, safety glasses, dust mask and boots. Suitable washing facilities should be available. |

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------------|----------------|-------------------------|------------------------|
| Physical State | Powder | Vapor Pressure | Non-volatile |
| Color | Sand | Density | 0.86 g/cm ³ |
| Odor | Characteristic | Vapor Density | Non-volatile |
| Molecular Weight | Not applicable | Volatility | Non-volatile |
| pH (1 g/L H₂O) | 6.8 | Evaporation Rate | Non-volatile |
| Melting Point | Not applicable | Solubility | Very soluble in water. |
| Boiling Point | Not applicable | | |

SECTION X. STABILITY AND REACTIVITY

Stability: The product is stable under suitable conditions of handling and storage.

Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx).

Polymerization: Will not occur.

Compatibility: Will not decompose if stored and handled properly. Keep in mind the indications of storage with other products.

Incompatibility: Avoid contact with combustible materials, organic materials, metal dust, ammonia. Keep away from strong acids, oxidizing and reducing agents.

SECTION XI. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

| | |
|----------------------------|--|
| Eye contact: | Dust will cause redness, watering and burning in the eye. |
| Skin contact: | Mild skin irritation is possible. |
| Inhalation: | Inhalation will cause irritation to the lungs and mucus membrane. |
| Ingestion: | Expected to be a low ingestion hazard. May cause gastric discomfort. |
| Accurate oral LD50: | Not established |
| Inhalation LC50: | Not established |
| Acute dermal LD50: | Not established |

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SECTION XI. TOXICOLOGICAL INFORMATION (Cont.)

Skin sensitization: Not a sensitizer
Carcinogen Potential: Not listed by OSHA, NTP, IARC, and ACGIH as a known human carcinogen.

SECTION XII. ECOLOGICAL INFORMATION

Persistence and Degradability: This product is water soluble and eventually biodegrades into elemental nitrogen. Excess nitrogen and nitrates in a body of water will contribute to eutrophication with visible effects such as toxic algae bloom.

Mobility in Soil: No additional information available.

Other adverse effects: Drift or runoff may adversely affect non-target plants. Do not apply directly to water.

SECTION XIII. DISPOSAL CONSIDERATIONS

- Do not reuse empty containers and dispose of in a sanitary landfill.
- Avoid contamination of soils, rivers, lakes, streams, dams, canals or other water tanks.
- Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

SECTION XIV. TRANSPORT INFORMATION

UN Number: Not regulated
UN Proper Shipping Name: Not listed
Transport Hazard Class: Does not correspond to the classification standard of the United States
Packing Group: None
Environmental Hazards: None known.
Transport in Bulk: No information available.
Special Precautions: The product must be transported under suitable conditions of covered package, free of moist and far from food, feed and clothes.

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SECTION XV. REGULATORY INFORMATION

NOM - 182 - SSA1 - 2010
NMX - R - 019 - SCFI - 2011
NOM - 018 - STPS - 2015

SECTION XVI. OTHER INFORMATION

Revision Date 09 November 2023 The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Canopy Crop Management assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Canopy Crop Management assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

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