

SAFETY DATA SHEET

Section 1: IDENTIFICATION

- 1.1 Product Name:** Cell Power™ Protein Plus™ Manganese & Zinc (MZ)
1.2 Other Identification: 1-0-0
1.3 Recommended Use of Chemical: Liquid Plant Nutrition
1.4 Manufacturer: OMEX™ Agrifluids, Inc.
P.O. Box 815, Selma, CA 93662
559-661-6138
1.5 24-hr Emergency Contact: CHEMTREC (24-hrs)
1-800-424-9300 / 1-703-527-3887
CCN: 816681

Section 2: HAZARD(S) IDENTIFICATION

- 2.1 Signal Word:** Warning
2.2 Hazard Classification:

| Health | Environmental | Physical |
|--|----------------|---|
| Eye Damage – Category 1 STOT Repeated Exposure – Category 2 | Not applicable | Aquatic Toxicity – Chronic – Category 2 |

2.3 GHS Pictogram:



2.4 Hazard Statement(s):

Causes serious eye damage.
May cause damage to lungs, eyes through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

2.5 Precautionary Statement(s):

Prevention:

Wear eye and face protection.
Do not breathe mist, vapors or spray.
Avoid release to the environment.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a doctor for treatment advice.
Get medical advice and/or attention if you feel unwell.
Collect spillage.

Storage:

None indicated.

Disposal:

Dispose of contents/container according to label directions and local, state and federal regulation.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Ingredients: (See Section 8 for exposure guidelines)

| Chemical | CAS No. | % by Wt. |
|-------------------------------------|------------|----------|
| Manganese Sulfate | 10034-96-5 | 15-20 |
| Zinc Sulfate | 7446-20-0 | 10-15 |
| Trade Secret Raw Materials* | * | * |
| <i>*Withheld as a trade secret.</i> | | |

Section 4: FIRST AID MEASURES

4.1 Signs and Symptoms of Short Term (Acute) and Long Term (Chronic) Exposure: No specific symptoms known.

4.2 Conditions Aggravated by Overexposure: None known.

4.3 First Aid

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|--|--|
| If in 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 advice. |
| If swallowed: | Call a poison control center or doctor immediately for treatment advice. |
| | Have person sip a glass of water if able to swallow. |
| | Do not induce vomiting unless told to do so by the poison control center or doctor. |
| | Do not give anything by mouth to an unconscious person. |
| If on skin or clothing: | Take off contaminated clothing. |
| | Rinse skin immediately with plenty of water for 15-20 minutes. |
| | Call a poison control center or doctor for treatment advice. |
| If inhaled: | 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 further treatment advice. |
| Notes to Physician: Treat symptomatically. | |
| Have the product container or label with you when calling a poison control center or doctor or going to treatment. | |
| For emergencies, call CHEMTREC (24-hrs) 1-800-424-9300 / 1-703-527-3887 CCN:816681 | |

Section 5: FIRE FIGHTING MEASURES

5.1 Flammable Properties: Non-flammable

5.2 Extinguishing Media: Use media appropriate for surrounding fire.

5.3 Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective gear. If heated to dryness immediately ventilate the structure to prevent pressure build up, which will increase the possibility of explosion.

5.4 Unusual Fire and Explosion Properties: Product may burn if all water has evaporated or boiled away.

5.5 Hazardous Combustion Products: None known.

Section 6: ACCIDENTAL RELEASE MEASURES

- 6.1 In Case of Spill or Leak:** Keep unnecessary personnel from entering spill area. Prevent product spillage from entering drinking water supplies or streams. Dike spilled material, if possible and necessary. Absorb in vermiculite, dry sand or earth. Place in a designated and labeled waste container. After removal, flush contaminated area thoroughly with water. Clean surfaces thoroughly. Suitable protective equipment should be worn during any spill cleanup operation.
- 6.2 Disposal:** Dispose according to Section 13 and product label.
- 6.3 Personal Precautions:** Avoid contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.
- 6.4 Environmental Precautions:** Do not contaminate water. Do not allow to enter drains, sewers or bodies of water.
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Section 7: HANDLING and STORAGE

- 7.1 Safe Handling Procedures:** Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.
- 7.2 Storage:** Store in original container only. Keep container tightly closed when not in use. Store in cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products and seed. Store at ambient temperature. Do not contaminate water, food or feed by storage or disposal.
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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure Guidelines:** No exposure limits known for ingredients.
- 8.2 Engineering Controls:** Minimize airborne concentrations. Work in a well-ventilated area. Local exhaust may be required if workers in confined space.
- 8.3 Eye/Face Protection:** Wear safety eyewear: Chemical goggles or face-shield.
- 8.4 Skin Protection:** Wear protective clothing: long sleeves and pants, shoes with socks. Wear chemical-resistant gloves.
- 8.5 Respiratory Protection:** Wear a NIOSH-approved air-purifying respirator for pesticide handling, if necessary.
- 8.6 General Hygiene:** Good personal hygiene practices should always be observed. Wash hands, arms, face thoroughly after handling product before eating, smoking and using the toilet. Wash contaminated clothing before reusing.
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Section 9: PHYSICAL and CHEMICAL PROPERTIES

- 9.1 Appearance:** Amber colored liquid
- 9.2 Odor:** None
- 9.3 Odor Threshold:** No data available
- 9.4 pH:** No data available
- 9.5 Melting Point/Freezing Point:** No data available
- 9.6 Boiling Point:** No data available
- 9.7 Flash Point:** Does not flash.
- 9.8 Evaporation Rate:** No data available
- 9.9 Flammability:** Not flammable.
- 9.10 Upper/Lower Flammability Limits:** No data available
- 9.11 Vapor Pressure:** No data available
- 9.12 Vapor Density:** No data available
- 9.13 Bulk Density:** 11.52 lbs/gallon
- 9.14 Specific Gravity:** 1.38 (water=1)

- 9.15 **Solubility (in water):** Soluble
 - 9.16 **Partition Coefficient:** No data available
 - 9.17 **Auto-ignition Temperature:** No data available
 - 9.18 **Decomposition Temperature:** No data available
 - 9.19 **Viscosity:** No data available
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Section 10: STABILITY and REACTIVITY

- 10.1 **Stability:** Stable under normal storage and handling conditions.
 - 10.2 **Hazardous Polymerization:** Will not occur.
 - 10.3 **Conditions to Avoid:** Avoid extreme temperatures, flames and exposure to incompatible materials.
 - 10.4 **Hazardous Decomposition:** Carbon, nitrogen oxides.
 - 10.5 **Materials to Avoid:** None known.
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Section 11: TOXICOLOGICAL INFORMATION

- 11.1 **Target Organs:** Eyes, skin, digestive system, respiratory system.
 - 11.2 **Routes of Exposure:** Eye Contact, Skin contact, ingestion and inhalation.
 - 11.3 **Toxicological Data:**
 - Acute Oral, LD50 (rat): No data available.
 - Acute Dermal, LD50: No data available
 - Acute Inhalation, LC50: No data available
 - Eye Irritation: May cause eye irritation.
 - Skin Irritation: May cause skin irritation.
 - Dermal Sensitization: Not a skin sensitizer.
 - 11.4 **Carcinogenic Status:** No known significant effects or critical hazards.
 - 11.5 **Reproductive Effects:** No known significant effects or critical hazards.
 - 11.6 **Teratogenicity:** No known significant effects or critical hazards.
 - 11.7 **Mutagenicity:** No known significant effects or critical hazards.
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Section 12: ECOLOGICAL INFORMATION

- 12.1 **Aquatic Toxicity:** No data available
 - 12.2 **Environmental Hazards:** Do not contaminate water by discharge of waste effluents or equipment wash water.
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Section 13: DISPOSAL CONSIDERATIONS

- 13.1 **Handling for Disposal:** Handle wastes according to recommendations in Section 7.
 - 13.2 **Methods for Disposal:** Do not reuse container. Plastic: Triple rinse (or equivalent), adding rinse water to spray tank, then offer for recycling at an ACRC site (go to <http://www.arcrcycle.org/> for locations) or by reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.
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Section 14: TRANSPORT INFORMATION

Not regulated in transportation for DOT.

Section 15: REGULATORY INFORMATION

- 15.1 **OSHA:** This material was classified according to the OSHA Hazard Communication Standard (29 CFR

1910.1200).

15.2 CERCLA Reportable Quantity (RQ): Not applicable

15.3 SARA Title III:

Extremely Hazardous Substance Notification (Sec 302): Not listed
Hazard Categories (Sec 311/312): Acute (immediate) Health Hazard
Toxic Chemicals Notifications (Sec 313): Manganese compounds
Zinc compounds

15.4 CA Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

Section 16: OTHER INFORMATION

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|--------------|---|--------------|---|---|----------|
| NFPA: | 1 | HMIS: | 1 | 0 | Least |
| | 0 | | 0 | 1 | Slight |
| | 0 | | 0 | 2 | Moderate |
| | | | | 3 | High |
| | | | | 4 | Severe |

SDS Preparation Date: 7/14/2017

Revision Date: 10/15/2019

Revision Reason: Updated CA Proposition 65 Statement

FURTHER INFORMATION:

The above information is based on data of which the manufacturer is aware and is believed to be correct as of the date hereon. Since the information contained herein may be applied under conditions beyond the manufacturer's control and which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, the manufacturer does not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.