

SAFETY DATA SHEET

Section 1: IDENTIFICATION

- 1.1 Product Name:** Cell Power™ Protein Plus™ Iron 5.5
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
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Section 2: HAZARD(S) IDENTIFICATION

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

Health	Environmental	Physical
Skin irritation – Category 2 Eye irritation – Category 2A	Not applicable	Not applicable

- 2.3 GHS Pictogram:**



- 2.4 Hazard Statement(s):**

Causes skin irritation.
Causes serious eye irritation.

- 2.5 Precautionary Statements:**

Prevention:

Wash hands thoroughly after handling.
Wear protective gloves.
Wear eye and face protection.

Response:

If on skin: Wash with plenty of water.
For specific first aid treatment refer to product label.
If skin irritation occurs: Get medical advice and/or attention.
Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice and/or attention.

Storage:

None indicated.

Disposal:

None indicated.

Section 3: COMPOSITION/INFORMATION on INGREDIENTS**3.1 Chemical Ingredients:** (See Section 8 for exposure guidelines)

Chemical	CAS No.	% by Wt.
Iron sulfate heptahydrate	7782-63-0	25-30

Section 4: FIRST AID MEASURES

4.1 Signs and Symptoms of Short Term (Acute) and Long Term (Chronic) Exposure: Symptoms may include stinging, tearing, redness, swelling of the eyes and blurred vision. May cause redness and pain of the eyes and skin. May cause severe eye irritation.

4.2 Conditions Aggravated by Overexposure: None known.

4.3 First Aid

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.
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: Water fog, foam, dry chemical, CO₂. Do not use heavy water streams.

5.3 Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective gear. Move containers from fire area if you can do so without risk.

5.4 Unusual Fire and Explosion Properties: During fire, gases hazardous to health may be formed.

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 for disposal. 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 inhalation of vapors and spray mist and 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:** Wear protective eyewear and chemical resistant gloves. Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product. Keep out of reach of children. Prohibit eating, drinking and smoking around this product. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash contaminated clothing before re-use. Do not contaminate feed and foodstuffs.
- 7.2 Storage:** Store in original container only. Keep containers 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 temperatures. 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 product.
- 8.2 Engineering Controls:** Minimize airborne concentrations. Provide adequate ventilation. Local exhaust may be required if working in confined space.
- 8.3 Eye/Face Protection:** Wear safety eyewear: goggles or shielded safety glasses.
- 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. If respirators are used a program should be in place to assure compliance with OSHA Respiratory Protection standard.
- 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:** No data available
- 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:** 10.0 lbs/gallon
 - 9.14 **Specific Gravity:** 1.198 (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 and contact with incompatible materials.
 - 10.4 **Hazardous Decomposition:** None known.
 - 10.5 **Materials to Avoid:** Strong oxidizing agents.
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Section 11: TOXICOLOGICAL INFORMATION

- 11.1 **Target Organs:** Eyes, skin, digestive and respiratory system.
 - 11.2 **Routes of Exposure:** Eye contact, skin, ingestion, 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: No data available; serious eye irritation
 - Skin Irritation: No data available; 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:** Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.
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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.

Section 14: TRANSPORT INFORMATION

Not regulated in transportation for DOT in package sizes less than 357 gallons.

Identification Number: UN3082

Shipping Description: RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (FERROUS SULFATE), CLASS 9, PG III

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):** Ferrous sulfate, CAS #:7782-63-0 (RQ=1,000 lbs; 357 gallons product)
 - 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): Not listed
 - 15.4. **CA Proposition 65:** This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.
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Section 16: OTHER INFORMATION

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

SDS Preparation Date: 10/03/2017

Revision Date: New SDS

Revision Reason: New SDS

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.