

SAFTY DATA SHEET

1: IDENTIFICATION

Product Name: Cell Power™ Elona Fe
Other Identification: 15-0-0
Recommended Use of Chemical: Use as a foliar fertilizer for dilution
Uses advised against: Not suitable for use as a ready to use product
Guaranteed by: OMEX™ Agrifluids, Inc.
P.O. Box 815, Selma, CA 93662
559-661-618

24-hr Emergency Contact: CHEMTREC
1-800-424-9300/1-703-527-3887
CCN: 816681

SECTION 2: HAZARD(S) IDENTIFICATON

Signal Word: Danger

Hazard Classification:
Skin corrosion/irritation-Category-1
Serious eye damage-Category 1



Hazard Statement(s):
Causes severe skin burns and eye damage.

Precautionary Statements:

Prevention:

Wear protective gloves. Wear protective clothing, eye protection and face protection. Wash hands/skin thoroughly after handling this product. Do not breathe dust/fume/gas/mist/vapors/spray.

Response:

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower. Wash with plenty of water. Immediately call POISON CENTER or doctor.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call POISON CENTER/doctor/physician.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call POISON CENTER or doctor/physician.

Storage:

Store in original containers only. Keep container tightly closed when not in use. Store in a 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.

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.acrecycle.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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

Chemical names	CAS Number	%
Iron nitrate nonahydrate	7782-61-8	20-50
Proprietary Mixture*		50-80

*Components not listed are with non-hazardous or withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

First Aid:

If inhaled	Move person into fresh air, rest in a position comfortable for breathing.
	Seek medical advice if any ill-effects persist.
If on skin(hair) or clothing	Wash affected skin with plenty of soap and water.
	Remove and wash clothes before reuse.
If in eyes	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open.
	Remove contact lenses if possible.
	Call a poison control center or doctor for treatment advice.
If swallowed	Do not give anything by mouth to an unconscious person.
	Do not induce vomiting unless told to do so by the poison control center or doctor.
	Have a person sip a glass of water if able to swallow.
	Call a poison control center or doctor immediately for treatment advice.
Other first aid advice	If vomiting occurs spontaneously, keep airways clear.
	Give more water when vomiting stops.

Signs and Symptoms of Short Term (Acute) and Long Term (Chronic) Exposure:

If in eyes	Exposure to eyes will result in immediate pain and tearing.
	Burns to the eye(s) may occur if not washed promptly.
	Where not washed exposure may result in redness, itchiness and sore.

If on skin(hair) or clothing	Irritation and burns may occur to skin especially when already sore or dry according to contact time.
If swallowed	Ingestion may cause abdominal pain, vomiting and diarrhea within two hours of ingestion.
	Mild irritation to possible burns may occur to the mouth, throat and gastrointestinal tract.
	There may be symptoms of hepatotoxicity and methemoglobinemia, symptoms can include blue tinged lips and fingers, shock and fever.
If inhaled	Inhalation of mist or vapors may cause irritation and a burning sensation to mucous membranes and upper respiratory tract.
	Symptoms may include irritation, coughing and tightness of breath, a sore throat may result from exposure.
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	

Indication of any immediate medical attention and special treatment needed

Medical treatments:	Burn treatment should be symptomatic and supportive.
	Treatments for iron poisoning and methemoglobinemia may be indicated.
	Medical regimes should be dictated by a medical professional.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media:	All extinguishing agents permitted.
Fire Fighting Instructions:	Wear self-contained breathing apparatus.
Hazardous Combustion Products:	Oxides of iron, carbon and nitrogen.
Other special hazard during fire:	Keep product containers cool with water spray.
Special Fire-fighting Procedures:	No special instructions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: In case of a release, clear the affected area and protect people. The product may be corrosive to certain metals including aluminum and mild steel, ensure that contaminated equipment and surfaces are promptly cleaned. Mop up spills and contain with absorbent materials. Material is water miscible; rain will cause the material to wash away and spread beyond the area of spillage. Personal protective equipment should be as follows: gloves, goggles, and appropriate body protection (e.g., boots, Tyvex suit, rubber gloves and leather or cloth gloves, over latex gloves). Keep accidental releases away from drains, water course, soil and open ground. Discharge to ground, water courses or drains can cause eutrophication.

Disposal: Dispose according to Section 13 and product label.

Personal Precautions: Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid contact with strong acids and oxidizing agents. This product is a slip hazard when spilt.

SECTION 7: HANDLING and STORAGE

Safe Handling Procedures: Avoid prolonged or repeated skin contact. Wash hands thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Do not use with strong acids. Product will precipitate and possibly react violently when mixed with strong alkalis. **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. Away from direct sunlight, sources of intense heat, or where freezing is possible. Store at ambient temperature. Do not contaminate water, food or feed by storage or disposal.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	CAS number	Workplace Exposure Limit (WEL)			
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15-minute reference period)	
		ppm	mg.m ⁻³	ppm	mg.m ⁻³
Iron salts (as Fe)	7782-61-8	-	1	-	2

Exposure Guidelines: No exposure limits known for ingredients.

Engineering Controls: Minimize airborne concentration. Avoid creating mist or spray, avoid splashing. Provide adequate ventilation.

Eye and hand protection: Wear safety glasses. Wear protective clothing: long sleeves and pants, shoes with socks. Protective coverall suit may be required for spraying situations where mists and aerosols are generated in uncontrolled environments. Wear nitrile, latex or rubber gloves.

Respiratory Protection: No specific recommendations.

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.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Dark opaque maroon
Physical state:	Liquid
Odor:	Minimal, slightly ferric
Odor Threshold:	No data available
pH:	1.0-2.0
Melting Point:	No data available
Freezing Point:	No data available
Boiling Point:	100°C
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability:	No data available

Upper/Lower Flammability Limits:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Bulk Density:	10.85 lbs/gallon 20°C
Specific Gravity:	1.25-1.35 @20°C
Solubility (in water):	Completely miscible in water
Partition Coefficient:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	<100cPs, Newtonian liquid

SECTION 10: STABILITY and REACTIVITY

Reactivity:	Can react with bases.
Stability:	Product is stable under anticipated storage and handling conditions.
Decomposition:	No known hazardous decomposition products known
Hazardous reactions:	Substance not known to react and/or polymerize
Conditions to Avoid:	Mixing with alkalis
Materials to Avoid:	Alkaline materials

SECTION 11: TOXICOLOGICAL INFORMATION

Target organs:	Skin, eyes.
Routes of Exposure:	Skin and eye contact.
Toxicological Date:	
Acute Oral, LD50:	>2,000 mg/kg body weight (acute toxicity point estimate based on classification)
Acute Dermal, LD50:	No data available
Acute Inhalation, LC50:	No data available
Eye Irritation:	Classified as corrosive to the eyes.
Skin Irritation:	Anticipated to be slightly irritating to skin.
Dermal Sensitization:	No data available
Carcinogenic Status:	No known significant effects or critical hazards.
Reproductive Effects:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:

No specific data available from tests performed on this product. Data below has been extrapolated from iron nitrate concentration, note that available data is read across from other substance, this data should be indicative and not as a reliable dataset.

Species	Test	Value
Brook trout (<i>Salvelinus fontinalis</i>)	LC50 96H	>1 mg/L
Water flea (<i>Daphnia magna</i>)	EC50 48H	>1,000 mg/L
Algae (<i>Pseudokirchnerella subcapitata</i>)	EC50 72H	>10 mg/L

Environmental Hazards: Do not contaminate water by discharge of waste effluents or equipment wash water.

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for Disposal: Handle wastes according to recommendations in Section 7.

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.arcycle.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

DOT: Not regulated in transportation for DOT.

UN number: Not applicable

UN proper shipping name: Corrosive Liquid, acidic, inorganic, N.O.S., Contains Ferric Nitrate.

Transport hazard class(es): 8

Packing group: III

Environmental hazards: Not applicable

Special precautions: Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

TSCA section 12b: Not regulated

OSHA: Not applicable

CERCLA Hazardous Substances and corresponding Reportable Quantity (RQ): Not applicable

SARA Title III:

Extremely Hazardous Substance

Notification (Sec 302): Not applicable

Hazard Categories (Sec 311/312): Not applicable

Toxic Chemicals Notifications (Sec 313): Not applicable

Clean Air Act (CAA) Section 112

Hazard Air Pollutants (HAPs) list: Not applicable
US State Regulations: Not applicable

CA Proposition 65: This product contains no chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

SDS Preparation Date: 1/21/2020
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.