



SAFTY DATA SHEET

1: IDENTIFICATION

Product Name: Cell Power™ Indra
Other Identification: 2-0-0
Recommended Use of Chemical: Use as a fertilizer concentrate for protected products
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 (24-hrs)
1-800-424-9300/1-703-527-3887
CCN: 816681

SECTION 2: HAZARD(S) IDENTIFICATON

Signal Word: Danger

Hazard Classification:
Serious eye damage-Category 1

GHS Pictogram:



Hazard Statement(s):
Causes serious eye damage.

Precautionary Statements:

Prevention:

Wash with plenty of water.
Wear protective gloves. Wear protective eye protection/face protection.

Response:

If on skin: Wash with plenty of water. If skin irritation occurs, get medical advice 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. Immediately call POISON CENTER/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. Do not contaminate water, food, or feed by storage or disposal.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

Chemical names	CAS Number	%
Iron sulphate heptahydrate	7720-78-7	5-20
Zinc sulphate heptahydrate	7446-19-7	5-20
Manganese sulphate monohydrate	7785-87-7	1-10
Copper sulphate pentahydrate	7758-99-8	1-10
Proprietary Mixture*		88-40

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

SECTION 4: FIRST AID MEASURES

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

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.
If on skin or clothing	Non washed areas may result in redness and soreness.
	Irritation may occur to skin especially when already sore or dry according to contact time.
If in eyes	Expose to eyes will result in immediate pain and tearing.
	Burns to the eyes will likely occur if not washed immediately.
If swallowed	Ingestion may cause nausea, vomiting, abdominal pain, diarrhea and other symptoms of gastro-intestinal distress within the first hours.
	Zinc poisoning can cause burns to the gastrointestinal tract.
	Iron poisoning can cause hepatotoxicity and hypovolemic shock.
	Severe manganese toxicity may lead to shaking and neurological effects.

First Aid:

If in eyes	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
	Seek medical advice.
If on skin or clothing	Take off contaminated clothing.
	Wash affected skin with soap and water.
	Wash clothes before reuse.
If swallowed	Do not give anything by mouth to an unconscious person.
	Rinse mouth and throat. Drink 1-2 glasses of water.
	Do not induce vomiting unless told to do so by a poison control center or doctor.
	Seek medical advice.
If inhaled	Move person to fresh air and rest.
	Call a poison control center or doctor for 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	

Indication of any immediate medical attention and special treatment needed

Medical treatments:	Treatment for zinc ingestion is symptomatic and supportive, early endoscopy to evaluate for burns.
	Deferoxamine may be indicated as a chelation treatment for iron poisoning, activated carbon is not useful in this instance.
	EDTA chelation treatment may decrease the body burden of copper and manganese.

SECTION 5: FIRE FIGHTING MEASURES

- Extinguishing Media:** All extinguishing agents permitted.
- Fire Fighting Instructions:** Wear self-contained breathing apparatus. Keep product containers cool with water spray.
- Hazardous Combustion Products:** Oxides of copper, iron, magnesium, manganese, zinc, carbon and Sulphur.
- Other special hazard during fire:** Organic components may burn once dried.
- 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. Dilute with water, capture with absorbent material, mop up and recycle where possible. Personal protective equipment should be as follows: gloves, goggles, and appropriate body protection (e.g., boots, Tyvek suit, rubber gloves and leather or cloth gloves, over latex gloves)
- Disposal:** Dispose according to Section 13 and product label.

Personal Precautions: Avoid contact with skin and eyes. Ensure adequate ventilation. Wear Suitable protective clothing.

SECTION 7: HANDLING and STORAGE

Safe Handling Procedures: Avoid breathing fertilizer mists. Avoid eye contact. Avoid prolonged or repeated skin contact. Wash hands thoroughly after handling this product. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. **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. Product will precipitate when mixed with alkaline solutions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	CAS number	Workplace Exposure Limit (WEL)				Comments
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15-minute reference period)		
Iron salts (as Fe)	-	-	1	-	2	-
Manganese and its inorganic compounds	-	-	0.5	-	-	-
Copper and compounds: dusts and mists (as Cu)	-	-	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: Wear protective clothing: long sleeves and pants, shoes with socks. Wear chemical-resistant 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: Clear dark blue
Physical state: Liquid
Odor: Slightly metallic

Odor Threshold:	No data available
pH:	2.5-3.0
Melting Point:	No data available
Freezing Point:	<0°C
Boiling Point:	100°C
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability:	Not flammable.
Upper/Lower Flammability Limits:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Bulk Density:	10.01 lbs/gallon 20°C
Solubility (in water):	Completely soluble in water
Partition Coefficient:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	<100cPs at 20°C

SECTION 10: STABILITY and REACTIVITY

Reactivity:	Can react with strong bases and oxidizing agents.
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:	Excessive heat (to water boiling point), mixing with alkalis
Materials to Avoid:	Oxidizing and alkaline materials

SECTION 11: TOXICOLOGICAL INFORMATION

Target organs:	Skin, eyes.
Routes of Exposure:	Skin and eye contact.
Toxicological Data:	
Acute Oral, LD50:	>2,000 mg/kg body weight (extrapolated from constituent components)
Acute Dermal, LD50:	No data available
Acute Inhalation, LC50:	No data available
Eye Irritation:	No data available; Causes serious eye irritation.
Skin Irritation:	No data available; Causes skin irritation.
Dermal Sensitization:	Not a skin sensitizer
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: Water flea (*Daphnia magna*), 4 mg/L (Date has been extrapolated from constituent components).

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 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: UN 3082

UN proper shipping name: ADR/RID ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (CONTAINS ZINC SULPHATE)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (CONTAINS ZINC SULPHATE)
IATA Environmentally Hazardous Substance, Liquid, N.O.S., (Contains Zinc Sulphate)

Transport hazard class(es): 9

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): Zinc sulphate (7446-19-7)

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 sulphate (CAS# 7785-87-7),
Zinc sulphate (7446-19-7)

**Clean Air Act (CAA) Section 112
Hazard Air Pollutants (HAPs) list:**

Manganese sulphate (CAS# 7785-87-7)

US State Regulations:

California- Manganese sulphate (CAS# 7785-87-7)

New Jersey- Manganese sulphate (CAS# 7785-87-7), Zinc sulphate (7446-19-7)

Pennsylvania- Manganese sulphate (CAS# 7785-87-7), Zinc sulphate (7446-19-7)

Massachusetts- Zinc sulphate (7446-19-7)

Minnesota- Manganese sulphate (CAS# 7785-87-7)

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

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

SDS Preparation Date: 1/15/2020

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.