

SAFETY DATA SHEET

Section 1: IDENTIFICATION

- 1.1 **Product Name:** Cell Power™ Omex™ 4pHoric™
1.2 **Other Identification:** Inorganic/Organic Chemical Fertilizer Suspension
1.3 **Recommended Use of Chemical:** Foliar and Soil Nutritional
1.4 **Manufacturer:** OMEX™
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:** Danger
2.2 **Hazard Classification:** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Health	Environmental	Physical
Acute Toxicity – Oral – Category 4 Skin Corrosion/irritation – Category 2 Serious Eye Damage/Eye Irritation – Category 1 Specific target organ toxicity (single exposure) – Category 3 Target Organs – Respiratory System	Not applicable	Not applicable

- 2.3 **GHS Pictogram:**



- 2.4 **Hazard Statement(s):**

Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.

- 2.5 **Precautionary Statement(s):**

Prevention:

Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves, eye and face protection.
Use only outdoors or in a well-ventilated area.

Response:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
If on skin: Wash with plenty of water. If skin irritation occurs, get medical advice/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 a poison center or doctor.
If swallowed: Rinse mouth. Call a poison center or doctor if you feel unwell.

Storage:

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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

Hazards not otherwise classified (HNOC):

None identified.

Section 3: COMPOSITION/INFORMATION on INGREDIENTS

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

Chemical	CAS No.	% by Wt.
Phosphorous acid	13598-36-2	10-30
Monopotassium phosphate	7778-77-0	30-40
Potassium Hydroxide	1310-58-3	3-5
Manganese (from Manganese EDTA)	15375-84-5	0-2
Zinc (from Zinc EDTA)	7779-88-6	0-1.5

Section 4: FIRST AID MEASURES

4.1 Signs and Symptoms of Short Term (Acute) and Long Term (Chronic) Exposure: Nausea, vomiting, chills and diarrhea.

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.
Notes to Physician: Treat symptomatically. Systems may be delayed.	
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 **Flash Point (°F/Test Method):** Does not flash.
- 5.2 **Flammable Limits (LFL & UFL):** Ammonia gas: LFL: 16%; UFL: 25%
- 5.3 **Extinguishing Media:** Use media appropriate for surrounding fire.
- 5.4 **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.
- 5.5 **Unusual Fire and Explosion Properties:** Product may burn if all water has evaporated or boiled away.
- 5.6 **Hazardous Combustion Products:** Ammonia gas may evolve from product at high temperatures.

Section 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **In Case of Spill or Leak:** Wear appropriate personal protective equipment (refer to Section 8). Pick up the material with absorbent material and place in a container for proper disposal in accordance with local, state and federal regulations.
- 6.4 **Environmental Precautions:** Do not contaminate water. Do not allow to enter drains, sewers or bodies of water.

Section 7: HANDLING and STORAGE

- 7.1 **Safe Handling Procedures:** Wear protective eyewear and chemical-resistant gloves. Wash hands thoroughly with soap and water 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 reuse empty container. Do not contaminate water, food or feed by storage or disposal.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Exposure Guidelines:**

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Potassium Hyrdoxide	not listed	2 mg/m ³ C
- 8.2 **Engineering Controls:** Provide adequate ventilation. Local exhaust may be required if working 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.
- 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.

Section 9: PHYSICAL and CHEMICAL PROPERTIES

- 9.1 **Appearance:** Clear suspension
- 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:	13.85
9.14	Specific Gravity:	1.659
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

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 excessive heat under confinement.
- 10.4 Hazardous Decomposition:** May release toxic fumes of ammonia, oxides of carbon, oxides of nitrogen, hydrogen chloride, ammonium chloride and chlorine in a high temperature or fire situation.
- 10.5 Materials to Avoid:** Avoid mixing with oxidizing materials. Do not mix with combustible materials, wood chips, organic materials, flammable liquids, chlorides, perchlorates or sulfur. Avoid contact with alkalis. Incompatible with aluminum and formamide; dimethylformamide.
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Section 11: TOXICOLOGICAL INFORMATION

- 11.1 Target Organs:** Digestive system, eyes, skin.
- 11.2 Routes of Exposure:** Skin and eye contact, ingestion.
- 11.3 Toxicological Data:**
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|------------------------------|----------------------------|
| Acute Oral, LD50 (rat): | >5000 mg/kg |
| Acute Dermal, LD50 (rabbit): | >2000 mg/kg |
| Acute Inhalation, LC50: | No data available |
| Eye Irritation: | Causes serious eye damage. |
| Skin Irritation: | May irritate skin. |
| 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.

Section 14: TRANSPORT INFORMATION

- 14.1 DOT Shipping Description:** Not regulated by US DOT.
- 14.2 Freight Classification:** Fertilizing compounds (manufactured fertilizers), NOI; Liquid (NMFC 68140, Sub 6; Class 70)

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): 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.

Section 16: OTHER INFORMATION

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

SDS Preparation Date: 07/19/2017

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.