

**Cell Power Octominor****SECTION 1: Identification****1.1 Product identifier**

Brand Name **Cell Power**  
Product Name **Octominor**  
NPK

**1.2 Recommended Use of Chemical:**

Relevant identified uses Liquid Plant Nutrition

**1.3 Details of the supplier of the safety data sheet**

OMEX Agrifluids, Inc.  
1675 Dockery Avenue  
Selma California 93662  
<https://www.omexusa.com/>

**1.4 Emergency telephone number**

Emergency information service 1-800-424-9300 CHEMTREC (24 hours for chemical emergency)

**SECTION 2: Hazard(s) identification****2.1 Classification of the substance or mixture**

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Hazard class	Category
serious eye damage/eye irritation	1
carcinogenicity	2

**2.2 Label elements**

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms



- Hazard statements

Causes serious eye damage.  
Suspected of causing cancer.

- Precautionary statements

Obtain special instructions before use.  
Wear eye protection/face protection.  
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/doctor.  
Store locked up.  
Dispose of contents/container to industrial combustion plant.

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- Hazardous ingredients for labelling

Cobalt sulphate, Manganese Sulfate

Hazards not otherwise classified

May be harmful if swallowed (GHS category 5: acutely toxic - oral).

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Description of the mixture

Name of substance	Wt%
Iron (II) sulfate heptahydrate	10 – <25
Manganese Sulfate	1 – <5
Zinc sulphate	1 – <5
Copper sulfate	1 – <5
Cobalt sulphate	<1

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

### SECTION 4: First-aid measures

#### 4.1 Description of first-aid measures

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

## Cell Power Octominor

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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## SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

## Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

## Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

## 7.2 Conditions for safe storage, including any incompatibilities

## Control of the effects

Protect against external exposure, such as

frost

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

## 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

## Biological limit values

Country	Name of agent	Parameter	Notation	Identifier	Value	Source
US	cobalt, inorganic compounds, including cobalt oxides but not combined with tungsten carbide	cobalt		BEI®	15 µg/l	ACGIH® 2022

## Relevant DNELs of components of the mixture

Name of substance	CAS No	Protection goal, route of exposure	Exposure time
Zinc sulphate	7733-02-0	human, inhalatory	chronic - systemic effects
Zinc sulphate	7733-02-0	human, dermal	chronic - systemic effects
Copper sulfate	7758-98-7	human, inhalatory	chronic - systemic effects
Copper sulfate	7758-98-7	human, inhalatory	chronic - local effects
Copper sulfate	7758-98-7	human, dermal	chronic - systemic effects
Cobalt sulphate	10026-24-1 10124-43-3	human, inhalatory	chronic - local effects

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Relevant PNECs of components of the mixture

Name of substance	CAS No	Environmental compartment	Exposure time
Zinc sulphate	7733-02-0	freshwater	short-term (single instance)
Zinc sulphate	7733-02-0	marine water	short-term (single instance)
Zinc sulphate	7733-02-0	sewage treatment plant (STP)	short-term (single instance)
Zinc sulphate	7733-02-0	freshwater sediment	short-term (single instance)
Zinc sulphate	7733-02-0	marine sediment	short-term (single instance)
Zinc sulphate	7733-02-0	soil	short-term (single instance)
Copper sulfate	7758-98-7	freshwater	short-term (single instance)
Copper sulfate	7758-98-7	marine water	short-term (single instance)
Copper sulfate	7758-98-7	sewage treatment plant (STP)	short-term (single instance)
Copper sulfate	7758-98-7	freshwater sediment	short-term (single instance)
Copper sulfate	7758-98-7	marine sediment	short-term (single instance)
Copper sulfate	7758-98-7	soil	short-term (single instance)
Cobalt sulphate	10026-24-1 10124-43-3	freshwater	short-term (single instance)
Cobalt sulphate	10026-24-1 10124-43-3	marine water	short-term (single instance)
Cobalt sulphate	10026-24-1 10124-43-3	sewage treatment plant (STP)	short-term (single instance)
Cobalt sulphate	10026-24-1 10124-43-3	freshwater sediment	short-term (single instance)
Cobalt sulphate	10026-24-1 10124-43-3	marine sediment	short-term (single instance)
Cobalt sulphate	10026-24-1 10124-43-3	soil	short-term (single instance)

**8.2 Exposure controls**

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Cell Power Octominor****- Other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)
Odor	characteristic

**Other safety parameters**

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	not determined
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	17.5 mmHg at 20 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

**Partition coefficient**

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

#### 9.2 Other information

Solvent content	71.82 %
Solid content	27.18 %

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

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Acute toxicity estimate (ATE) of components of the mixture

Name of substance	Exposure route	ATE
Iron (II) sulfate heptahydrate	oral	319 mg/kg
Zinc sulphate	oral	926 mg/kg
Copper sulfate	oral	482 mg/kg
Cobalt sulphate	oral	1,330 mg/kg

**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

Shall not be classified as a respiratory or skin sensitizer.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
Cobalt sulphate	10026-24-1	2A	

Legend

2A Probably carcinogenic to humans

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.



**Cell Power Octominor****SECTION 12: Ecological information****12.1 Toxicity**

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Zinc sulphate	7733-02-0	LC50	315 µg/l	fish	96 h
Zinc sulphate	7733-02-0	EC50	860 µg/l	aquatic invertebrates	48 h
Copper sulfate	7758-98-7	LC50	193 µg/l	fish	96 h
Cobalt sulphate	10026-24-1 10124-43-3	LC50	85.3 mg/l	fish	96 h
Cobalt sulphate	10026-24-1 10124-43-3	EC50	2,618 µg/l	aquatic invertebrates	48 h
Cobalt sulphate	10026-24-1 10124-43-3	ErC50	0.2 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Zinc sulphate	7733-02-0	LC50	330 µg/l	fish	95 h
Zinc sulphate	7733-02-0	EC50	5.2 mg/l	microorganisms	3 h
Cobalt sulphate	10026-24-1 10124-43-3	LC50	41,625 µg/l	fish	28 d
Cobalt sulphate	10026-24-1 10124-43-3	EC50	82.2 µg/l	aquatic invertebrates	21 d

**12.2 Persistence and degradability**

Data are not available.

**12.6 Endocrine disrupting properties**

Information on this property is not available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.



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#### SECTION 14: Transport information

##### 14.1 UN number

DOT	UN 3082
IMDG-Code	UN 3082
ICAO-TI	UN 3082

##### 14.2 UN proper shipping name

DOT	Environmentally hazardous substance, liquid, n.o.s.
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.

##### 14.3 Transport hazard class(es)

DOT	9
IMDG-Code	9
ICAO-TI	9

##### 14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

##### 14.5 Environmental hazards

hazardous to the aquatic environment

##### 14.6 Special precautions for user

There is no additional information.

The cargo is not intended to be carried in bulk.

Environmental hazards	yes (hazardous to the aquatic environment)
Environmental hazards	yes (hazardous to the aquatic environment)

#### SECTION 15: Regulatory information

##### 15.1 Safety, health and environmental regulations specific for the product in question

###### National regulations (United States)

###### Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)
  - none of the ingredients are listed
- Specific Toxic Chemical Listings (EPCRA Section 313)
  - none of the ingredients are listed



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#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
Iron (II) sulfate heptahydrate	7782-63-0		1	1000 (454)
Copper sulfate	7758-98-7		1	10 (4,54)
Zinc sulphate	7733-02-0		1	1000 (454)

#### Legend

1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

#### Clean Air Act

none of the ingredients are listed

#### Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Manganese Sulfate			ATSDR Neurotoxics CA NLS CA TACs CDC 4th National Exposure Report CWA 303(d) IRIS Neurotoxics OEHA RELs
Cobalt sulphate	10124-43-3		EC Annex VI CMRs - Cat. 1B EC Annex VI Resp. Sens. - Cat. 1 NTP 13th RoC - reasonable Prop 65

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
Iron (II) sulfate heptahydrate	7782-63-0		LHS		1.0 %
Manganese Sulfate		1027			1.0 %
Cobalt sulphate		1013			0.1 %
Copper sulfate		1015			1.0 %
Zinc sulphate		1039			1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Iron (II) sulfate heptahydrate		A	
Manganese Sulfate		A, O	

#### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH



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#### Legend

O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

#### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Iron (II) sulfate heptahydrate	7720-78-7		
Manganese Sulfate			
Cobalt sulphate			CA
Copper sulfate	7758-98-7		
Copper sulfate			
Zinc sulphate	7733-02-0		
Zinc sulphate			

#### Legend

CA Carcinogenic

#### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
FERROUS SULFATE	7782-63-0	E
MANGANESE	7439-96-5	*, E
COBALT	7440-48-4	*, E
SULFURIC ACID COPPER(2+) SALT (1:1)	7758-98-7	E
COPPER	7440-50-8	*, E
SULFURIC ACID, ZINC SALT (1:1)	7733-02-0	E
ZINC	7440-66-6	*, E

#### Legend

\* Any compound of this substance is also an environmental hazard  
E Environmental hazard

#### - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Iron (II) sulfate heptahydrate		T

#### Legend

T Toxicity (ACGIH®)



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California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

#### Proposition 65 List of chemicals

Name acc. to inventory	CAS No	Remarks	Type of the toxicity
cobalt sulfate heptahydrate	10026-24-1		cancer
cobalt sulfate	10124-43-3		cancer

#### VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 18.33 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 18.75 %

#### Industry or sector specific available guidance(s)

##### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

##### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

SDS Preparation Date:

Revision Date:

Revision Reason:

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. 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. . 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. .