

# CG Pearl™

## Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR) , as amended by SOR/2022-272

Issue date: 05-05-2026 Version: 1.1

### SECTION 1 Identification

#### 1.1. GHS Product identifier

Product form : Substance  
 Trade name : CG Pearl™  
 Chemical name : Magnesium ammonium phosphate  
 CAS-No. : 7785-21-9  
 Product code : CGP  
 Formula : NH<sub>4</sub>MgPO<sub>4</sub>

#### 1.2. Other means of identification

Other means of identification : Ammonium magnesium orthophosphate; Phosphoric acid, ammonium magnesium salt (1:1:1)  
 EC-No. : 232-075-2

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fertilizers

#### 1.4. Supplier's details

##### Manufacturer

Ostara Nutrient Recovery Technologies Inc.  
 1001 N. Warson Rd, Ste. 200  
 St. Louis, MO 63132  
 US  
 T (604) 408-6697  
[OstaraRegulatory@ostara.com](mailto:OstaraRegulatory@ostara.com)

##### Supplier

Ostara Nutrient Recovery Technologies Inc.  
 855 - 2 St. S.W., Suite 3500  
 Calgary, Alberta T2P 4J8  
 Canada  
 T 604-408-6697  
[OstaraRegulatory@ostara.com](mailto:OstaraRegulatory@ostara.com)

#### 1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
 Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
 CCN 849806  
 Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

### SECTION 2 Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Not classified

#### 2.2. GHS label elements, including precautionary statements

##### GHS CA labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

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Name	Chemical name/Synonyms	Product identifier	%	Classification (GHS CA)
CG Pearl™ (Main constituent)	Magnesium ammonium phosphate	CAS-No.: 7785-21-9	100	Not classified

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4 First-aid measures

### 4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. If experiencing respiratory symptoms: Call a poison center or a doctor.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.
- First-aid measures general : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. If you feel unwell, seek medical advice.

### 4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after inhalation : Dust may cause irritation of the mucous membranes and upper respiratory tract.
- Symptoms/effects after skin contact : Product dust may cause mechanical irritation to the skin and mucous membranes.
- Symptoms/effects after eye contact : Dust from this product may cause eye irritation.
- Symptoms/effects after ingestion : Dusts from the product, if present, may cause throat irritation.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

- Other medical advice or treatment : Treat symptomatically.

## SECTION 5 Fire-fighting measures

### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
- Unsuitable extinguishing media : Do not use water jet.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : No fire hazard.
- Explosion hazard : No direct explosion hazard.



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- Appropriate engineering controls : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid negligent or unplanned release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Hand protection:

No protection is ordinarily required under normal conditions of use. Workplace: Chemically resistant protective gloves

#### Eye protection:

No special eye protection equipment recommended under normal conditions of use. Where excessive dust may result, wear goggles

#### Skin and body protection:

Skin protection is not ordinarily required beyond standard work clothes. Body protection should be chosen depending on activity and possible exposure

#### Respiratory protection:

No respiratory protection needed under normal use conditions. In case of emergency: Self-contained breathing apparatus

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

- Physical state : Solid
- Appearance : Granules.
- Color : White
- Odor : No data available
- Odor threshold : No data available
- pH : 6.5 – 6.9
- Relative evaporation rate (butyl acetate=1) : No data available
- Relative evaporation rate (ether=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available
- Relative vapor density at 20°C : No data available
- Relative density : No data available
- Solubility : Water: 169 mg/l
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Viscosity, kinematic : No data available
- Explosion limits : No data available
- Particle characteristics : No data available

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### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10 Stability and reactivity

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
- Chemical stability : Stable under normal conditions of use.
- Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
- Conditions to avoid : Incompatible materials.
- Incompatible materials : Strong oxidizing agents.
- Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Phosphorus oxides. Magnesium oxide. Nitrogen oxides.
- Hardening time: : No additional information available

### SECTION 11 Toxicological information

#### 11.1. Likely routes of exposure

- Acute toxicity (oral) : Not classified.
- Acute toxicity (dermal) : Not classified.
- Acute toxicity (inhalation) : Not classified.

#### Magnesium ammonium phosphate (7785-21-9)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5 mg/l

- Skin corrosion/irritation : Not classified.
- pH: : 6.5 – 6.9
- Serious eye damage/irritation : Not classified
- pH: : 6.5 – 6.9
- Respiratory or skin sensitization : Not classified
- Germ cell mutagenicity : Not classified
- Carcinogenicity : Not classified
- Reproductive toxicity : Not classified
- STOT-single exposure : Not classified
- STOT-repeated exposure : Not classified
- Aspiration hazard : Not classified
- Symptoms/effects after inhalation : Dust may cause irritation of the mucous membranes and upper respiratory tract.
- Symptoms/effects after skin contact : Product dust may cause mechanical irritation to the skin and mucous membranes.
- Symptoms/effects after eye contact : Dust from this product may cause eye irritation.
- Symptoms/effects after ingestion : Dusts from the product, if present, may cause throat irritation.

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### SECTION 12 Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### 12.2. Persistence and degradability

##### Magnesium ammonium phosphate (7785-21-9)

Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
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#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

### SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid negligent or unplanned release to the environment.

### SECTION 14 Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
<b>14.1. UN Number</b>		
Not regulated for transport		
<b>14.2. UN Proper Shipping Name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated

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14.4. Packing group, if applicable		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

### 14.6. Special precautions for user

**TDG**  
Not regulated  
**IMDG**  
Not regulated  
**IATA**  
Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

### Magnesium ammonium phosphate (7785-21-9)

Listed on the Canadian NDSL (Non-Domestic Substances List)

### Magnesium ammonium phosphate (7785-21-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

## SECTION 16 Other Information

Issue date : 05-05-2026

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.