



# Safety Data Sheet

Issue Date 31-Mar-2020

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Version: 2

## 1. IDENTIFICATION

### Product identifier

**Product Name:** Peters Excel 15-5-15 Cal-Mag Special with black Iron  
**Product Number(s):** G99145  
**Formula No.:** S20146

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

Restricted to professional users

### Company:

Everris NA Inc.  
P.O. Box 3310  
Dublin, OH 43016

### 24-HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-800-492-8255

## 2. HAZARD(S) IDENTIFICATION

Acute toxicity - Oral	Category 4
Skin Corrosion or Irritation	Category 2
Serious eye damage/eye irritation	Category 1
Oxidizing solids	Category 3

### Label Elements:

**Danger**

### Hazard Statements:

Harmful if swallowed  
Causes skin irritation  
Causes serious eye damage  
May intensify fire; oxidizer



**Appearance:** Prills, powder

**Physical state** Solid

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Take any precaution to avoid mixing with combustibles  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep away from clothing and other combustible materials

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/physician

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth  
In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC):**

Not applied

**Other Information**

Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%	Trade Secret
Calcium ammonium nitrate (US)	15245-12-2	20 - 30%	*
Urea phosphate	4861-19-2	10 - 15%	*
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	5 - 10%	*
Boric acid; H <sub>3</sub> BO <sub>3</sub>	10043-35-3	0.1 - 1%	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST-AID MEASURES**

**Description of first aid measures**

**Eye Contact:** 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.

**Skin Contact:** Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Inhalation** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a POISON CENTER or doctor.

**Ingestion:** Call a physician or Poison Control Centre immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** The product itself does not burn.

**Unsuitable Extinguishing Media:** High volume water jet.

**Specific hazards:** no data available.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** no data available.

**Sensitivity to Static Discharge:** no data available.

**Special Protective Equipment for Firefighters:**

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:** Wear personal protective equipment.

**Environmental precautions:** Do not allow product to enter the environment uncontrolled.

**Methods and material for containment and cleaning up**

**Methods for containment:** Clean up promptly by sweeping or vacuum.

**Methods for Cleanup:** Pick up and transfer to properly labelled containers. Use up product completely. Packaging material is industrial waste.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling:** Avoid container breakage.

**Conditions for safe storage, including any incompatibilities**

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA:	ACGIH:	IDLH:
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-	N.A.	N.A.	-
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	TWA: 2 mg/m <sup>3</sup> inhalable particulate matter STEL: 6 mg/m <sup>3</sup> inhalable particulate matter	-	2 mg/m <sup>3</sup> TWA	-

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash. Showers.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Wear safety glasses with side shields (or goggles).

**Hand Protection** Neoprene gloves.

**Skin and body protection** Lightweight protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Solid  
**Color:** blue  
Prills, powder

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	No data available	
<b>Melting Point/Freezing Point:</b>		
<b>Boiling Point/Range:</b>	No data available	
<b>Flash Point:</b>	No data available	
<b>Evaporation Rate:</b>	no data available	
<b>Flammability (solid, gas):</b>	No data available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No data available	
<b>Lower Flammability Limit:</b>	No data available	
<b>Vapor Pressure:</b>	No data available	
<b>Vapour density</b>	No data available	
<b>Relative density</b>	no data available	
<b>Solubility:</b>	no data available	
<b>Solubility in other Solvents:</b>	no data available	
<b>Partition Coefficient:</b>	no data available	
<b>Autoignition Temperature:</b>	No data available	
<b>Hyphen</b>	no data available	
<b>Kinematic Viscosity:</b>	No data available	
<b>Dynamic Viscosity:</b>	no data available	
<b>Explosive Properties:</b>	no data available	
<b>Oxidizing Properties:</b>	no data available	

### Other information

**Softening Point:** no data available  
**Molecular Weight:** no data available  
**VOC Content (%)** No data available  
**Density:** no data available  
**Bulk density:** no data available

## 10. STABILITY AND REACTIVITY

<b><u>Reactivity:</u></b>	Stable under normal conditions
<b><u>Chemically Stable:</u></b>	Stable under recommended storage conditions.
<b><u>Materials to avoid</u></b>	Nitrogen oxides (NOx).
<b><u>Hazardous Decomposition Products:</u></b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b><u>Possibility of Hazardous Reactions:</u></b>	None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.  
**Eye contact** CAUSES EYE IRRITATION.  
**Skin Contact** Specific test data for the substance or mixture is not available.  
**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Prolonged contact may cause redness and irritation.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

**Oral LD50** 1,887.00

**Unknown Acute Toxicity:** no data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium ammonium nitrate (US) 15245-12-2	= 500 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Urea phosphate 4861-19-2	2600 mg/kg	-	-
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	= 2217 mg/kg ( Rat )	> 5000 mg/kg	> 88.8 mg/L ( Rat ) 4 h
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	= 2660 mg/kg ( Rat )	> 2000 mg/kg	> 0.16 mg/L ( Rat ) 4 h

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

**Skin corrosion/irritation** no data available.

**Serious eye damage/eye irritation** Irritating to eyes.

**Respiratory or skin sensitization** no data available.

**Germ Cell Mutagenicity** no data available.

**Carcinogenicity** no data available.

Chemical name	ACGIH	IARC	NTP	OSHA
Calcium ammonium nitrate (US) 15245-12-2	-	Group 2A	-	X
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-	Group 2A	-	X
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	-	Group 2A	-	X

**Reproductive Toxicity** no data available.

**STOT - Single Exposure** no data available.

**STOT - Repeated Exposure** no data available.

**Aspiration Hazard** no data available.

**12. ECOLOGICAL INFORMATION**

*The environmental impact of this product has not been fully investigated.*

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	-	-	-	EC50: 115 - 153mg/L (48h, Daphnia magna)

**Persistence and Degradability:** no data available.

**Bioaccumulation** No information available.

Chemical name	Partition coefficient
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-3.1
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	-0.757

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods:**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Do not reuse container.

**14. TRANSPORT INFORMATION**

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

<b>DOT (Land)</b>	UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
<b>DOT (AIR)</b>	UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
<b>DOT (Vessel)</b>	UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
<b>IATA (Air)</b>	UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
<b>IMO/IMDG (Vessel)</b>	UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII

**15. REGULATORY INFORMATION**

**Federal Regulations:**

**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories:**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act):**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA:**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical name	CERCLA/SARA 313	CERCLA/SARA RQ
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	Not listed	-

**California Proposition 65:**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations:**

**State Regulations (RTK):** no data available

**U.S. EPA Label information:**

**EPA Pesticide Registration Number:** Not applied

**16. OTHER INFORMATION**

**NFPA:** Health hazards 2 Flammability 0 Reactivity: 0  
**HMIS:** Health hazards - Flammability - Reactivity: ---

**Prepared by** Regulatory Affairs Department  
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**Reason for revision** \*\*\* Indicates changes since the last revision. This version replaces all previous versions

**Disclaimer**

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**End of Safety Data Sheet**