



Safety Data Sheet

Original Issue Date 12-May-2020

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Version: 3

1. IDENTIFICATION

Product identifier

Product Name: Peters Excel® 15-5-15 Cal-Mag Special
Product Number(s): G99007
Formula No.: S16160

Description: Water Soluble Fertilizer

Recommended use of the chemical and restrictions on use

Water soluble fertilizer

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
Reproductive Toxicity	Category 1B
Oxidizing solids	Category 3

Label Elements:

Danger

Hazard Statements:

Harmful if swallowed
Causes skin irritation
Causes serious eye damage
May damage fertility or the unborn child
May intensify fire; oxidizer



Appearance: Prills, Crystals

Physical state Solid

Odor: Fertilizer

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Take any precaution to avoid mixing with combustibles

Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep/Store away from clothing and other combustible materials

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

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 - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC):

Not applied

Other Information

May cause long lasting harmful effects to aquatic life.

Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Potassium nitrate; KNO ₃	7757-79-1	30 - 40%	*
Calcium ammonium nitrate (US)	15245-12-2	20 - 30%	*
Magnesium nitrate hexahydrate; Mg(NO ₃) ₂ ·6H ₂ O	13446-18-9	20 - 30%	*
Urea phosphate; CH ₇ N ₂ O ₅ P	4861-19-2	10 - 15%	*
Ammonium nitrate; NH ₄ NO ₃	6484-52-2	5 - 10%	*
Boric acid; H ₃ BO ₃	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: Water.

Unsuitable Extinguishing Media: Use water. Do not use dry chemicals or foams. CO₂ or Halon may provide limited control.

Specific hazards: Dust may form explosive mixture in air.

Hazardous Combustion Products Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation.

Environmental precautions: Prevent product from entering drains. Avoid subsoil penetration.

Methods and material for containment and cleaning up

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

Methods for Cleanup: Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Keep out of reach of children and pets.

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:
Boric acid; H ₃ BO ₃ 10043-35-3	TWA: 2 mg/m ³ inhalable particulate matter STEL: 6 mg/m ³	-	2 mg/m ³ TWA	-

	inhalable particulate matter			
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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: Off-white
Odor: Fertilizer

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	No data available	
Melting Point/Freezing Point:	Not applicable	
Boiling Point/Range:	No data available	
Flash Point:		
Evaporation Rate:	no data available	
Flammability (solid, gas):	No data available	
Flammability Limits in Air:		
Upper Flammability Limit:	No data available	
Lower Flammability Limit:	No data available	
Vapor Pressure:	No data available	
Vapour density	No data available	
Relative density	no data available	
Solubility:	Highly soluble (>80%)	
Solubility in other Solvents:	no data available	
Partition Coefficient:	no data available	
Autoignition Temperature:	No data available	
Hyphen	no data available	
Kinematic Viscosity:	No data available	
Dynamic Viscosity:	no data available	
Explosive Properties:	no data available	
Oxidizing Properties:	Not considered an oxidizer	

Other information

Softening Point: no data available
Molecular Weight: no data available
VOC content No data available
Density: no data available
Bulk density: 55-75 lbs/cu.ft.

10. STABILITY AND REACTIVITY

Reactivity:

Stable under recommended storage conditions

Chemically Stable:

Yes.

Conditions to Avoid:

Dust may form explosive mixture in air.

Materials to avoid

Strong oxidizing agents.

Hazardous Decomposition Products:

Combustion may produce irritating gases and vapors.

Possibility of Hazardous Reactions:

Poses little or no immediate hazard.

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 Specific test data for the substance or mixture is not available.

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 no data available.

Numerical measures of toxicity

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

Oral LD50 1,869.20 mg/kg

Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity

LD50/oral: no data available

LD50/dermal: no data available

LC50/inhalation: no data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium nitrate; KNO ₃ 7757-79-1	= 3015 mg/kg (Rat)	> 2000 mg/kg	> 527 mg/m ³
Calcium ammonium nitrate (US) 15245-12-2	= 500 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Magnesium nitrate hexahydrate; Mg(NO ₃) ₂ ·6H ₂ O 13446-18-9	= 5440 mg/kg (Rat)	-	-
Urea phosphate; CH ₇ N ₂ O ₅ P 4861-19-2	= 2600 mg/kg (Rat)	-	-
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	= 2217 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 88.8 mg/L (Rat) 4 h
Boric acid; H ₃ BO ₃ 10043-35-3	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.12 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 no data available.

Respiratory or skin sensitization no data available.

Germ Cell Mutagenicity no data available.

Carcinogenicity no data available.

Chemical name	ACGIH	IARC	NTP	OSHA
Potassium nitrate; KNO ₃ 7757-79-1	-	Group 2A	-	X
Calcium ammonium nitrate (US) 15245-12-2	-	Group 2A	-	X
Magnesium nitrate hexahydrate; Mg(NO ₃) ₂ ·6H ₂ O 13446-18-9	-	Group 2A	-	X
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	-	Group 2A	-	X
Boric acid; H ₃ BO ₃ 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 ₃ BO ₃ 10043-35-3	-	-	-	EC50: 115 - 153mg/L (48h, Daphnia magna)

Persistence and Degradability: Degrades slowly.

Bioaccumulation No information available.

Chemical name	Partition coefficient
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	-3.1
Boric acid; H ₃ BO ₃ 10043-35-3	-1.09

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.

DOT (Land) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
DOT (AIR) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
DOT (Vessel) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
IATA (Air) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
IMO/IMDG (Vessel) 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 ₄ NO ₃ 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 3 Flammability 0 Reactivity: 1

HMIS: Health hazards - Flammability 0 Reactivity: 1

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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