



Safety Data Sheet

Issue Date: no data available

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Version: 1.01

1. IDENTIFICATION

Product Identifier:

Product Name: Peters Excel® 15-5-15 Cal-Mag Special
Product Number(s): G99140
Formula No.: S16110

Recommended Use of the Chemical and Restrictions on Use:

Description: 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

Classification 67/548/EEC

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--------------------------------------|------------|
| Acute toxicity - Oral | Category 4 |
| Skin Corrosion or Irritation | Category 2 |
| Serious Eye Damage or 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, Crystals

Physical State: Solid

Odor: Fertilizer

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
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Take any precaution to avoid mixing with combustibles
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

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 Applicable

Other Information:

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS-No | Weight % | Trade Secret |
|--|------------|----------|--------------|
| Calcium Ammonium Nitrate | 15245-12-2 | 20-30 | * |
| Magnesium nitrate hexahydrate; Mg(NO ₃) ₂ +6H ₂ O | 13446-18-9 | 20-30 | * |
| Ureaphosphate | 4861-19-2 | 10-15 | * |
| Ammonium Nitrate; NH ₄ NO ₃ | 6484-52-2 | 5-10 | * |
| Zinc sulphate mono hydrate; ZnSO ₄ +1H ₂ O | 7446-19-7 | 0.1-1 | * |
| 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

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: 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.

Inhalation: 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.

Ingestion: 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 a poison control center or doctor. Do not 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:** Contact with combustible material may cause fire. Dust at sufficient concentrations may form explosive mixtures with air.
- Hazardous Combustion Products:** Thermal decomposition can lead to release of irritating gases and vapours.
- 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 Cleanup:**
- 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.

| Ingredients | ACGIH TLV | OSHA: | IDLH: |
|--|-----------|-------|-------|
| Ammonium Nitrate; NH ₄ NO ₃ 6484-52-2 | - | N.A. | - |

Appropriate Engineering Controls:

Engineering Controls Showers

Eyewash stations
Ventilation systems.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/face Protection No special protective equipment required.

Skin and body protection No special protective equipment required.

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

Physical and Chemical Properties:

Physical State: Solid
Color: blue
Odor: Fertilizer

Appearance: Prills, Crystals
Odor No information available
Threshold:

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

Other Information:

Softening Point: No information available
Molecular Weight: No information available
VOC Content (%): No information available
Density: No information available
Bulk density: 55-75 lbs/cu.ft.

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

- Chemically Stable:** yes.
- Conditions to Avoid:** Extreme heat. 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 the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

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.

Information on Toxicological Effects:

Symptoms No information available.

Numerical Measures of Toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document: . mg/kg

Unknown Acute Toxicity: No information available

LD50/oral: No information available

LD50/dermal: No information available

LC50/inhalation: No information available

| Ingredients | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|----------------------|-------------------------|-------------------------|
| Calcium Ammonium Nitrate 15245-12-2 | = 500 mg/kg (Rat) | - | - |
| Magnesium nitrate hexahydrate; Mg(NO ₃) ₂ ·6H ₂ O 13446-18-9 | = 5440 mg/kg (Rat) | - | - |
| Ureaphosphate 4861-19-2 | 2600 mg/kg | - | - |
| Ammonium Nitrate; NH ₄ NO ₃ 6484-52-2 | = 2217 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) | > 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 information available.
- Serious eye damage/eye irritation** No information available.
- Respiratory or skin sensitization** No information available.

Germ Cell Mutagenicity No information available.

Carcinogenicity No information available.

| Ingredients | ACGIH - Carcinogens | IARC: | NTP Report on Carcinogens List - | OSHA |
|--|---------------------|-------|----------------------------------|------|
| Boric Acid; H ₃ BO ₃ 10043-35-3 | A4 | - | - | - |

Reproductive Toxicity No information available.

STOT - Single Exposure No information available.

STOT - Repeated Exposure No information available.

Aspiration Hazard No information available.

12. ECOLOGICAL INFORMATION

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

| Ingredients | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|---|----------------------|---|----------------------------|---|
| Ammonium Nitrate; NH ₄ NO ₃ 6484-52-2 | - | 65 - 85: 48 h Cyprinus carpio mg/L LC50 semi-static | - | - |
| Boric Acid; H ₃ BO ₃ 10043-35-3 | - | 1020: 72 h Carassius auratus mg/L LC50 flow-through | - | 115 - 153: 48 h Daphnia magna mg/L EC50 |

Persistence and Degradability: Degrades slowly.

Bioaccumulation: No information available.

| Ingredients | LOGPOW |
|--|--------|
| Ammonium Nitrate; NH ₄ NO ₃ 6484-52-2 | -3.1 |
| Boric Acid; H ₃ BO ₃ 10043-35-3 | -0.757 |

Mobility: Water contaminating.

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

International Inventories:

| | |
|--|--|
| TSCA | This product does not comply with USINV |
| DSL/NDSL | DSL/NDSL |
| EINECS/ELINCS | EINECS/ELINCS |
| ENCS | This product does not comply with encs: |
| CHINA | This product does not comply with china: |
| KOREA | KOREA |
| PICCS | PICCS |
| Australian Inventory of Chemical Substances | This product does not comply with AICS |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

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.

| Ingredients | CERCLA/SARA 313 | CERCLA/SARA RQ |
|---|-------------------------------------|----------------|
| Ammonium Nitrate; NH ₄ NO ₃ 6484-52-2 | Not listed | - |
| Zinc sulphate mono hydrate; ZnSO ₄ +1H ₂ O 7446-19-7 | 1000 lb final RQ 454 kg final RQ | - |

State Regulations (RTK):

California Proposition 65:

This product does not contain any Proposition 65 chemicals.

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

U.S. EPA Label information:

EPA Pesticide Registration Number: Not Applicable

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

NFPA: Health: 3 Flammability: 0 Reactivity: 1

HMIS: Health: 3 Flammability: 0 Reactivity: 1

Revision Date: 01-Aug-2016

Revision Note:

Reason for revision: None

Disclaimer

This information contained herein is, to the best of Everris' knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Everris shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Everris shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

End of Safety Data Sheet