



# Safety Data Sheet

Revision Date 02-Sep-2014

Version: 1.02

## 1. IDENTIFICATION

### Product identifier

**Product Name:** Peters Excel® 21-5-20 Multi-Purpose  
**Product Number(s):** G99150  
**Formula No.:** S16111

**Description:** Water Soluble Fertilizer

### 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

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

Skin Corrosion or Irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Oxidizing solids	Category 3

### Label Elements:

#### Danger

#### Hazard Statements:

Causes severe skin burns and eye damage  
May intensify fire; oxidizer



**Appearance:** Prills, Crystals

**Physical state** Solid

**Odor:** Earthy

### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep/Store away from clothing/ .? /combustible materials  
Take any precaution to avoid mixing with combustibles  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

### Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician  
Specific treatment (see .? on this label)  
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  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
In case of fire: Use CO<sub>2</sub>, 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**

Harmful to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%	Trade Secret
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	40 - 50%	*
Urea phosphate (US)	4861-19-2	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:** Water.

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

**Specific hazards:** May intensify fire; oxidizer. Contact with combustible material may cause fire.

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

**Environmental precautions:** Prevent product from entering drains.

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

**Methods for containment:** Vacuum or sweep up material and place in a disposal container.  
**Methods for Cleanup:** Take up mechanically and collect in suitable container for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling:** Avoid inhalation or contact with skin, eyes, or clothing. Avoid container breakage.

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

**Storage:** Store in a cool, dry area away from incompatible materials and heat sources.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits**

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.

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

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

<b>Hand Protection</b>	Impervious gloves.
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Information on basic physical and chemical properties**

<b>Physical state</b>	Solid
<b>Color:</b>	blue
<b>Appearance:</b>	Prills, Crystals
<b>Odor:</b>	Earthy
Prills, Crystals	

<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>	Highly soluble (>80%)	
<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>	May intensify fire; oxidizer	

**Other information**

<b>Softening Point:</b>	no data available
<b>Molecular Weight:</b>	no data available
<b>VOC Content (%)</b>	No data available
<b>Density:</b>	no data available
<b>Bulk density:</b>	55-75 lbs/cu.ft.

<b>10. STABILITY AND REACTIVITY</b>
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<b><u>Reactivity:</u></b>	Stable under normal conditions
<b><u>Chemically Stable:</u></b>	Yes.
<b><u>Conditions to Avoid:</u></b>	Dust may form explosive mixture in air.

**Materials to avoid** Strong oxidizing agents. Reducing agents. Bases. Combustible material. Organic materials. Metals.

**Hazardous Decomposition Products:** Combustion may produce irritating gases and vapors.

**Possibility of Hazardous Reactions:** no data available.

**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:

**Unknown Acute Toxicity:** no data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
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** 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
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.

DOT (Land) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII  
DOT (AIR) Not regulated  
DOT (Vessel) Not regulated  
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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA:**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

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 2 Reactivity: 1 Special Hazards: Oxy

**HMIS:** Health hazards 2 Flammability 2 Reactivity: 1

**Prepared by** Regulatory Affairs Department  
**Revision Date** 02-Sep-2014  
**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**