



# Safety Data Sheet

Issue Date: no data available

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Version: 1.02

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** Peters Excel® 21-5-20 Multi-Purpose  
**Product Number(s):** G99150  
**Formula No.:** S12885

**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

**OSHA Regulatory Status:**

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

Skin Corrosion or Irritation	Category 2
Serious Eye Damage or Eye Irritation	Category 2
Oxidizing solids	Category 3

**Label Elements:**

### Emergency Overview

**Warning**

**Hazard Statements:**

Causes skin irritation  
Causes serious eye irritation  
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  
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

**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  
Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

**Other Information:**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS-No	Weight %	Trade Secret
Potassium Nitrate; KNO3	7757-79-1	30-60	*
Ammonium Nitrate; NH4NO3	6484-52-2	30-60	*
Ureaphosphate	4861-19-2	5-10	*
Copper sulphate anh; CuSO4	7758-98-7	0.1-1	*
Boric Acid; H3BO3	10043-35-3	0.1-1	*
Zinc sulphate mono hydrate; ZnSO4+1H2O	7446-19-7	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. CO<sub>2</sub> or Halon may provide limited control.

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

**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 Cleanup:**

**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 Guidelines:**

Ingredients	CAS-No	ACGIH:	OSHA:	IDLH:
Potassium Nitrate; KNO <sub>3</sub>	7757-79-1	Not Listed	Not Listed	Not Listed
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	N.A.	N.A.	Not Listed
Ureaphosphate	4861-19-2	Not Listed	Not Listed	Not Listed
Copper sulphate anh; CuSO <sub>4</sub>	7758-98-7	1 mg/m <sup>3</sup> TWA	Not Listed	100 mg/m <sup>3</sup> IDLH Cu
Boric Acid; H <sub>3</sub> BO <sub>3</sub>	10043-35-3	2 mg/m <sup>3</sup> TWA	Not Listed	Not Listed
Zinc sulphate mono hydrate; ZnSO <sub>4</sub> +1H <sub>2</sub> O	7446-19-7	Not Listed	Not Listed	Not Listed

**Appropriate Engineering Controls:**

**Engineering Measures to Reduce Exposure:** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

**Individual Protection Measures, Such as Personal Protective Equipment:**

- Eye/Face Protection:** Safety glasses with side shields or goggles.
- Skin and Body Protection:** Wear suitable protective clothing. Impervious clothing. impervious gloves.
- Respiratory Protection:** When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.
- General hygiene considerations:** Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties:**

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Prills, Crystals
<b>Color:</b>	blue	<b>Odor</b>	No information available
<b>Odor:</b>	Fertilizer	<b>Threshold:</b>	

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
<b>pH:</b>	No information available	
<b>Melting Point/Freezing Point:</b>	No information available	
<b>Boiling Point/Range:</b>	No information available	
<b>Flash Point:</b>	No information available	
<b>Evaporation Rate:</b>	No information available	
<b>Flammability (solid, gas):</b>	No information available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No information available	
<b>Lower Flammability Limit:</b>	No information available	
<b>Vapor Pressure:</b>	No information available	
<b>Vapor Density:</b>	No information available	
<b>Specific Gravity:</b>	No information available	
<b>Solubility:</b>	Highly soluble (>80%)	
<b>Solubility in other Solvents:</b>	No information available	
<b>Partition Coefficient:</b>	No information available	
<b>Autoignition Temperature:</b>	No information available	
<b>Decomposition Temperature:</b>	No information available	
<b>Kinematic Viscosity:</b>	No information available	
<b>Dynamic Viscosity:</b>	No information available	
<b>Explosive Properties:</b>	No information available	
<b>Oxidizing Properties:</b>	May intensify fire; oxidizer	

**Other Information:**

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

**10. STABILITY AND REACTIVITY**

**Reactivity:** Stable under normal conditions

**Chemically Stable:** yes.

**Conditions to Avoid:** Keep away from heat and ignition sources. Damp or wet conditions. Dust may form explosive mixture in air.

**Materials to avoid** Strong oxidizing agents. Reducing agents. Bases. Combustible material. Strong bases. Organic materials. Metals. Contact with metals may evolve flammable hydrogen gas.

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

**Possibility of Hazardous Reactions:** No information available.

## 11. TOXICOLOGICAL INFORMATION

### Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

**General information:** Chronic exposure to nitrates may cause weakness, depression, headache, blood changes (anemia and methemoglobinemia), and kidney injury (nephritis)

**Eye effects:** Causes serious eye irritation

**Skin effects:** Causes skin irritation

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Inhalation:** May cause irritation of respiratory tract.

### Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Nitrate; KNO3 7757-79-1	= 3015 mg/kg ( Rat )	> 2000 mg/kg	> 527 mg/m <sup>3</sup>
Ammonium Nitrate; NH4NO3 6484-52-2	= 2217 mg/kg ( Rat )	-	> 88.8 mg/L ( Rat ) 4 h
Ureaphosphate 4861-19-2	2600 mg/kg	-	-
Copper sulphate anh; CuSO4 7758-98-7	= 300 mg/kg ( Rat )	= 1000 mg/kg ( Rabbit )	-
Boric Acid; H3BO3 10043-35-3	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 0.16 mg/L ( Rat ) 4 h

### Information on Toxicological Effects:

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

**Sensitization:** May cause sensitization of susceptible persons

**Mutagenic effects** No information available.

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Ingredients	ACGIH - Carcinogens	IARC:	NTP Report on Carcinogens List -	OSHA
Boric Acid; H3BO3 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.

### Numerical Measures of Toxicity - Product Information:

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

**ATEmix (oral):** 32449 mg/kg

**ATEmix (dermal):** 57246 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Unknown Aquatic Toxicity:** 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects:** TOXIC TO AQUATIC ORGANISMS. Toxic to aquatic life with long lasting effects.

**Persistence and degradability:** Degrades slowly.

Ingredients	LOGPOW
Ammonium Nitrate; NH4NO3 6484-52-2	-3.1
Boric Acid; H3BO3 10043-35-3	-0.757

**Mobility:** Water contaminating.

**Additional ecological information:** Contains Molybdenum (Mo). The application of materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) which are toxic to ruminant animals. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply directly to lakes, streams, or ponds.

## 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  
**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)

Ingredients	CWA - Reportable Quantities	CWA - Toxic Pollutants	Clean Water Act - Priority Pollutants	Clean Water Act - Hazardous Substances
Copper sulphate anh; CuSO4 7758-98-7	-	-	-	Present

**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)

Ingredients	CERCLA/SARA 313	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonium Nitrate; NH4NO3 6484-52-2	Not listed	-	--
Copper sulphate anh; CuSO4 7758-98-7	10 lb final RQ 4.54 kg final RQ	-	--

**State Regulations (RTK):**

**California Proposition 65:**

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

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

**EPA Pesticide Registration Number:**

not applicable

**16. OTHER INFORMATION**

<b>NFPA:</b>	Health: 2	Flammability: 0	Reactivity: 1	Special Hazards: Oxy
<b>HMIS:</b>	Health: 2	Flammability: 0	Reactivity: 1	

**Revision Date:** 02-Sep-2014

**Revision Note:**

**Reason for revision:** None

**Disclaimer**

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**End of Safety Data Sheet**