



# Safety Data Sheet

Original Issue Date 16-Oct-2018

Last Revision Date 27-Feb-2023

Version: 5

## 1. IDENTIFICATION

### Product identifier

**Product Name:** Peters Professional® 21-7-7 Acid Special  
**Product Number(s):** G99330  
**Formula No.:** S16124

**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)

Serious eye damage/eye irritation	Category 1
Reproductive Toxicity	Category 1B

### Label Elements:

**Danger**

### **Hazard Statements:**

Causes serious eye damage  
May damage fertility or the unborn child



**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  
Wear protective gloves/protective clothing/eye protection/face protection

### **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

### **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**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical name	CAS No	Weight-%	Trade Secret
Potassium sulphate; K <sub>2</sub> SO <sub>4</sub>	7778-80-5	10 - 15%	*
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:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray. Chemical foam.
- Unsuitable Extinguishing Media:** High volume water jet.
- Specific hazards:** 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.

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

### 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 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:
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).

**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  
Appearance: Powder(s)  
Odor: Slight

<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: Protect from extremes of temperature.

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:

**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 sulphate; K <sub>2</sub> SO <sub>4</sub> 7778-80-5	= 6600 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Boric acid; H <sub>3</sub> BO <sub>3</sub> 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
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
Potassium sulphate;	EC50: =2900mg/L (72h,	LC50: =653mg/L (96h,	-	EC50: =890mg/L (48h,

K <sub>2</sub> SO <sub>4</sub> 7778-80-5	Desmodosmus subspicatus)	Lepomis macrochirus) LC50: =3550mg/L (96h, Lepomis macrochirus) LC50: 510 - 880mg/L (96h, Pimephales promelas)		Daphnia magna)
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
Boric acid; H <sub>3</sub> BO <sub>3</sub> 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.

<b>DOT (Land)</b>	Not regulated
<b>DOT (AIR)</b>	Not regulated
<b>DOT (Vessel)</b>	Not regulated
<b>IATA (Air)</b>	Not regulated
<b>IMO/IMDG (Vessel)</b>	Not regulated

### 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:**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	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.

**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

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

**Prepared by**

Regulatory Affairs Department

**Original Issue Date**

16-Oct-2018

**Last Revision Date**

27-Feb-2023

**Reason for revision**

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

**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**