



# Safety Data Sheet

Issue Date: no data available

Revision Date: 20-Aug-2014

Version: 1.01

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** Peters Professional® 21-7-7 Acid Special  
**Product Number(s):** G99330  
**Formula No.:** S12910

**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)

Specific Target Organ Toxicity (Repeated Exposure)

Category 2

**Label Elements:**

### Emergency Overview

**Warning**

**Hazard Statements:**

May cause damage to organs through prolonged or repeated exposure



**Appearance:** Prills, Crystals

**Physical State:** Solid

**Odor:**

Fertilizer

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

**Other Information:**

- Harmful to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS-No	Weight %	Trade Secret
Ammonium sulphate; (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	30-60	*
Potassium sulphate; K <sub>2</sub> SO <sub>4</sub>	7778-80-5	10-30	*
Manganese sulphate; MnSO <sub>4</sub> ·1H <sub>2</sub> O	7785-87-7	1-5	*
Copper-EDTA; Cu-EDTA	14025-15-1	0.1-1	*
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**

**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 spray, carbon dioxide, dry chemical, chemical foam.
- Specific hazards:** Contact with combustible material may cause fire.
- 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:** Avoid dust formation.

**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 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 Guidelines:

Ingredients	CAS-No	ACGIH:	OSHA:	IDLH:
Ammonium sulphate; (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	Not Listed	Not Listed	Not Listed
Potassium sulphate; K <sub>2</sub> SO <sub>4</sub>	7778-80-5	Not Listed	Not Listed	Not Listed
Manganese sulphate; MnSO <sub>4</sub> +1H <sub>2</sub> O	7785-87-7	0.1 mg/m <sup>3</sup> TWA	Not Listed	500 mg/m <sup>3</sup> IDLH Mn
Copper-EDTA; Cu-EDTA	14025-15-1	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

### 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:** Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur. Safety glasses with side shields or goggles.

**Skin and Body Protection:** Wear suitable protective clothing if contact is anticipated during manufacturing. If skin irritation occurs, use natural rubber gloves, durable cloth or impervious rubber gloves if contact with product is possible.

**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:

**Physical State:** Solid  
**Color:** blue  
**Odor:** Fertilizer  
**Appearance:** Prills, Crystals  
**Odor Threshold:** No information available

<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>	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:** Take precautionary measures against static discharges. Extreme heat. Dust may form explosive mixture in air. Environment.

**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):**

**Eye effects:** May cause eye irritation with susceptible persons  
**Skin effects:** May cause skin irritation in susceptible persons  
**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
Ammonium sulphate; (NH4)2SO4 7783-20-2	= 2000 mg/kg ( Rat )	-	-
Potassium sulphate; K2SO4 7778-80-5	= 6600 mg/kg ( Rat )	-	-
Manganese sulphate; MnSO4+1H2O 7785-87-7	= 782 mg/kg ( Rat )	-	-
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** May cause damage to organs through prolonged or repeated exposure.  
**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):** 15197 mg/kg  
**ATEmix (dermal):** 65685 mg/kg  
**LD50/oral:** No information available  
**LD50/dermal:** No information available  
**LC50/inhalation:** No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

**Unknown Aquatic Toxicity:** 13.19% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects:** Harmful to aquatic organisms with long lasting effects.

**Persistence and degradability:** Degrades slowly.

Ingredients	LOGPOW
Ammonium sulphate; (NH4)2SO4 7783-20-2	-5.1
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)** Not DOT regulated  
**IATA (Air)** Not regulated  
**IMO/IMDG (Vessel)** 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:**

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

**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**

**NFPA:**      Health: 2                      Flammability: 0                      Reactivity: 1

**HMIS:**      Health: 2                      Flammability: 0                      Reactivity: 1

**Revision Date:**                      20-Aug-2014

**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**