



Safety Data Sheet

Issue Date 16-Oct-2018

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Version: 4

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

Label Elements:

Danger

Hazard Statements:

Causes serious eye damage



Appearance: Prills, Crystals

Physical State: Solid

Odor: Slight

Precautionary Statements - Prevention

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

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

Hazards Not Otherwise Classified (HNOC):

Not applied

Other Information

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 ₂ SO ₄	7778-80-5	10 - 15%	*
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:** 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 (CO₂). 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 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 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 ₃ BO ₃ 10043-35-3	TWA: 2 mg/m ³ inhalable particulate matter STEL: 6 mg/m ³ inhalable particulate matter	-	2 mg/m ³ 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

Physical and Chemical Properties:

Physical State: Solid
Color: blue
Appearance: Prills, Crystals
Odor: Slight

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
pH:	No data available	
Melting Point/Freezing Point:	No data available	
Boiling Point/Range:	Not applied	

Flash Point:	No data available
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
Decomposition Temperature:	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

<u>Reactivity:</u>	Stable under normal conditions
<u>Chemically Stable:</u>	Yes.
<u>Conditions to Avoid:</u>	Protect from extremes of temperature.
<u>Materials to avoid</u>	Strong oxidizing agents.
<u>Hazardous Decomposition Products:</u>	Combustion may produce irritating gases and vapors.
<u>Possibility of Hazardous Reactions:</u>	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 data available.
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Numerical Measures of Toxicity

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

Unknown Acute Toxicity: no data available

LD50/oral: no data available

LD50/dermal: no data available

LC50/inhalation: no data available

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium sulphate; K ₂ SO ₄ 7778-80-5	= 6600 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Boric acid; H ₃ BO ₃ 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 - Carcinogens	IARC:	NTP Report on Carcinogens List -	OSHA
Boric acid; H ₃ BO ₃ 10043-35-3	A4	-	-	-

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; K ₂ SO ₄ 7778-80-5	2900: 72 h Desmodesmus subspicatus mg/L EC50	510 - 880: 96 h Pimephales promelas mg/L LC50 static 3550: 96 h Lepomis macrochirus mg/L LC50 static 653: 96 h Lepomis macrochirus mg/L LC50	-	890: 48 h Daphnia magna mg/L EC50
Boric acid; H ₃ BO ₃ 10043-35-3	-	-	-	115 - 153: 48 h Daphnia magna mg/L EC50

Persistence and Degradability: no data available.

Bioaccumulation: No information available.

Chemical name	LOGPOW
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Boric acid; H ₃ BO ₃ 10043-35-3	-0.757
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Mobility: Slightly soluble in water.

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 regulated
DOT (AIR)	Not regulated
DOT (Vessel)	Not 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.

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: 4 Flammability: 4 Reactivity: 1

HMIS: Health: 4 Flammability: 4 Reactivity: 1

Prepared by Regulatory Affairs Department

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

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End of Safety Data Sheet