



# Safety Data Sheet

Revision Date 02-Apr-2019

Version: 2

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** Peters Professional® High Efficiency 25-5-15  
**Product Number(s):** G99087  
**Formula No.:** S20108

**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)

Oxidizing solids

Category 3

**Label Elements:**

**Warning**

May intensify fire; oxidizer



**Appearance:** Prills, powder

**Physical State:** Solid

**Odor:** Fertilizer

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Take any precaution to avoid mixing with combustibles

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

Not applied

**Other Information:**

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
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Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	50 - 60%	*
Potassium Nitrate; KNO <sub>3</sub>	7757-79-1	30 - 40%	*
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:** 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:** 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. Wear suitable protective clothing.

**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. Avoid dust formation. Keep out of reach of children and pets.

**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** 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:
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	-	-	2 mg/m <sup>3</sup> TWA	-

**Appropriate Engineering Controls:**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash. Showers.

**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:** light blue  
**Appearance:** Prills, powder  
**Odor:** Fertilizer

<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>		
<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	

**Vapor Pressure:** No information available  
**Vapour density** No information available  
**Relative density** No information available  
**Solubility:** Highly soluble (>80%)  
**Solubility in other Solvents:** No information available  
**Partition Coefficient:** No information available  
**Autoignition Temperature:** No information available  
**Decomposition temperature:** No information available  
**Kinematic Viscosity:** No information available  
**Dynamic Viscosity:** No information available  
**Explosive Properties:** No information available  
**Oxidizing Properties:** May intensify fire; oxidizer

**Other Information:**

**Softening Point:** No information available  
**Molecular Weight:** No information available  
**VOC Content (%):** No information available  
**Density:** No information available  
**Bulk density:** No information available

**10. STABILITY AND REACTIVITY**

**Reactivity:** Stable under normal conditions

**Chemically Stable:** Yes.

**Conditions to Avoid:** Dust may form explosive mixture in air.

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

**Hazardous Decomposition Products:** Contact with acids liberates very toxic gas.

**Possibility of Hazardous Reactions:** None under normal processing.

**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 information available.

**Numerical Measures of Toxicity**

**Unknown Acute Toxicity:** No information available

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	= 2217 mg/kg ( Rat )	-	> 88.8 mg/L ( Rat ) 4 h
Potassium Nitrate; KNO <sub>3</sub> 7757-79-1	= 3015 mg/kg ( Rat )	> 2000 mg/kg	> 527 mg/m <sup>3</sup>
Boric Acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 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 information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ Cell Mutagenicity** No information available.

**Carcinogenicity** No information available.

Chemical Name	ACGIH - Carcinogens	IARC:	NTP Report on Carcinogens List -	OSHA
Boric Acid; H <sub>3</sub> BO <sub>3</sub> 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.

**12. ECOLOGICAL INFORMATION**

*The environmental impact of this product has not been fully investigated.*

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-	65 - 85: 48 h Cyprinus carpio mg/L LC50 semi-static	-	-
Boric Acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	-	1020: 72 h Carassius auratus mg/L LC50 flow-through	-	115 - 153: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

Chemical Name	LOGPOW
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

**Mobility:** Water contaminating.

**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:**

<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
<b>Reactive Hazard</b>	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.

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 information available

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

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EPA Pesticide Registration Number: Not applied

**16. OTHER INFORMATION**

**NFPA:** Health: 1 Flammability: 0 Reactivity: 1 Special Hazards: Oxy

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

**Prepared by** Regulatory Affairs Department

**Revision Date** 02-Apr-2019

**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**