



Safety Data Sheet

Issue Date 30-Oct-2013

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Version: 1

1. IDENTIFICATION

Product Identifier:

Product Name: Peters Professional 20-10-20 Peat-Lite Special
Product Number(s): G99256
Formula No.: S20153

Recommended Use of the Chemical and Restrictions on Use:

Fertilizer (PC12) 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

Take any precaution to avoid mixing with combustibles
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves/protective clothing/eye protection/face protection

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC):

Not applied

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Ammonium nitrate; NH ₄ NO ₃	6484-52-2	40 - 50%	*
Potassium nitrate; KNO ₃	7757-79-1	20 - 30%	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures:

- Eye Contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin Contact:** If skin irritation persists, call a physician.
- Inhalation** In the case of inhalation of aerosol/mist consult a physician if necessary. Possible symptoms are coughing and/or dyspnoea. If breathing is difficult, give oxygen. Move to fresh air.
- Ingestion:** Possible symptoms are nausea and/or vomiting. Clean mouth with water and drink afterwards plenty of water. If a person vomits when lying on his back, place him in the recovery position. Do not induce vomiting without medical advice. Consult a physician if necessary.
- Protection of First-Aiders:** Do not get in eyes. Use personal protective equipment.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Flooding quantities of water.
- Unsuitable Extinguishing Media:** High volume water jet.
- Specific hazards:** no data available.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** no data available.
Sensitivity to Static Discharge: no data available.
- Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

- Personal Precautions:** Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. Wear personal protective equipment.
- Environmental precautions:** Prevent product from entering drains. Do not contaminate surface water.

Methods and Material for Containment and Cleanup:

- Methods for containment:** Clean up promptly by sweeping or vacuum.
- Methods for Cleanup:** Shovel or sweep up. Do not create a powder cloud by using a brush or compressed air.

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:
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	-	N.A.	N.A.	-

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: blue
Appearance: Prills, powder

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
pH:	4.5	(@ 200 g/l)
Melting Point/Freezing Point:	no data available	
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: completely soluble
 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: May intensify fire; oxidizer

Other Information:

Softening Point: no data available
 Molecular Weight: no data available
 VOC Content (%): no data available
 Density: no data available
 Bulk density: 800 - 1100 kg/m³

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Chemically Stable: Stable under recommended storage conditions.

Conditions to Avoid: Keep away from open flames, hot surfaces and sources of ignition. Burning produces obnoxious and toxic fumes.

Materials to avoid Combustible material.

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

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 data available.

Numerical Measures of Toxicity

Unknown Acute Toxicity: no data available

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium nitrate; NH ₄ NO ₃	= 2217 mg/kg (Rat)	> 5000 mg/kg	> 88.8 mg/L (Rat) 4 h

6484-52-2			
Potassium nitrate; KNO ₃ 7757-79-1	= 3015 mg/kg (Rat)	> 2000 mg/kg	> 527 mg/m ³

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.
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
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	-	65 - 85: 48 h Cyprinus carpio mg/L LC50 semi-static	-	-

Persistence and Degradability: no data available.

Bioaccumulation: no data available.

Chemical name	LOGPOW
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	-3.1

Mobility: no data 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.

DOT (Land) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
 DOT (AIR) UN1477, Nitrates, inorganic, n.o.s, 5.1, PGIII
 DOT (Vessel) 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 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 ₄ NO ₃ 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 data available

U.S. EPA Label information:

EPA Pesticide Registration Number: Not applied

16. OTHER INFORMATION

NFPA: Health: 2 Flammability: 0 Reactivity: 0
 HMIS: Health: --- Flammability: --- Reactivity: ---

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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