



Safety Data Sheet

Issue Date 18-May-2020

Revision Date 18-May-2020

Version: 3

1. IDENTIFICATION

Product Identifier:

Product Name: Peters Excel pHLow Acid Hammer 21-7-7
Product Number(s): G99002
Formula No.: S16379

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 2A

Label Elements:

Warning

Hazard Statements:

Causes serious eye irritation



Appearance: Powder(s)

Physical State: Solid

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Hazards Not Otherwise Classified (HNOC):

Not applied

Other Information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight %	Trade Secret
Ammonium nitrate; NH_4NO_3	6484-52-2	30 - 40%	*
Potassium pentahydrogen bis(phosphate); PeKacid	14887-42-4	10 - 15%	*
Potassium nitrate; KNO_3	7757-79-1	10 - 15%	*
Boric acid; H_3BO_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

<u>Suitable Extinguishing Media:</u>	Water.
<u>Unsuitable Extinguishing Media:</u>	Use water. Do not use dry chemicals or foams. CO_2 or Halon may provide limited control.
<u>Specific hazards:</u>	May intensify fire; oxidizer. Contact with combustible material may cause fire.
<u>Explosion Data:</u>	
Sensitivity to Mechanical Impact:	no data available.
Sensitivity to Static Discharge:	no data available.
<u>Special Protective Equipment for Firefighters:</u>	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. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Environmental Precautions:	Prevent product from entering drains. Avoid subsoil penetration.
<u>Methods and Material for Containment and Cleanup:</u>	

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 inhalation or contact with skin, eyes, or clothing. Avoid container breakage.

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_4NO_3 6484-52-2	-	N.A.	N.A.	-
Boric acid; H_3BO_3 10043-35-3	-	-	2 mg/m ³ 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: Powder(s)
Odor: Fertilizer

Property **Values**
pH: No information available
Melting Point/Freezing Point: No information available
Boiling Point/Range: No information available
Flash Point:

Remarks: • Method

Evaporation Rate:	No information available
Flammability (solid, gas):	No information available
Flammability Limits in Air:	
Upper Flammability Limit:	No information available
Lower Flammability Limit:	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

<u>Reactivity:</u>	Stable under normal conditions
<u>Chemically Stable:</u>	Yes.
<u>Conditions to Avoid:</u>	Dust may form explosive mixture in air.
<u>Materials to avoid</u>	Strong oxidizing agents. Reducing agents. Bases. Combustible material. Organic materials. Metals.
<u>Hazardous Decomposition Products:</u>	Contact with acids liberates very toxic gas.
<u>Possibility of Hazardous Reactions:</u>	No information available.

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
Ammonium nitrate; NH_4NO_3 6484-52-2	= 2217 mg/kg (Rat)	> 5000 mg/kg	> 88.8 mg/L (Rat) 4 h
Potassium nitrate; KNO_3 7757-79-1	= 3015 mg/kg (Rat)	> 2000 mg/kg	> 527 mg/m ³
Boric acid; H_3BO_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 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_3BO_3 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_4NO_3 6484-52-2	-	65 - 85: 48 h Cyprinus carpio mg/L LC50 semi-static	-	-
Boric acid; H_3BO_3 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_4NO_3 6484-52-2	-3.1
Boric acid; H_3BO_3 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)	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.

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 information available

U.S. EPA Label information:

EPA Pesticide Registration Number:

Not applied

16. OTHER INFORMATION

NFPA: **Health:** 2 **Flammability:** 0 **Reactivity:** 1 **Special Hazards:** Oxy

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

Prepared by

Regulatory Affairs Department

Issue Date

18-May-2020

Revision Date

18-May-2020

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