



# Safety Data Sheet

Last Revision Date 23-Feb-2023

Version: 2

## 1. IDENTIFICATION

### Product identifier

**Product Name:** Peters Excel® Pansy, Salvia & Vinca, 15-2-20  
**Product Number(s):** G99130  
**Formula No.:** S16131

**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)

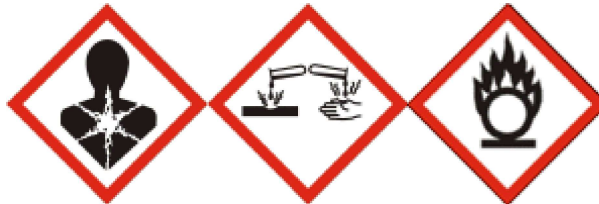
Serious eye damage/eye irritation	Category 1
Reproductive Toxicity	Category 1B
Oxidizing solids	Category 3

### Label Elements:

**Danger**

### Hazard Statements:

Causes serious eye damage  
May damage fertility or the unborn child  
May intensify fire; oxidizer



**Appearance:** no data available

**Physical state** Solid

**Odor:** Fertilizer

### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Take any precaution to avoid mixing with combustibles  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep away from clothing and other combustible materials

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

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  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

Not applied

**Other Information**

MAY BE HARMFUL IF SWALLOWED. Causes mild skin irritation. May cause long lasting harmful effects to aquatic life.

**Unknown Acute Toxicity:** 0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%	Trade Secret
Potassium nitrate; KNO <sub>3</sub>	7757-79-1	40 - 50%	*
Calcium ammonium nitrate (US)	15245-12-2	20 - 30%	*
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	5 - 10%	*
Urea phosphate; CH <sub>7</sub> N <sub>2</sub> O <sub>5</sub> P	4861-19-2	1 - 5%	*
Boric acid; H <sub>3</sub> BO <sub>3</sub>	10043-35-3	0.1 - 1%	*
Zinc sulphate+1H <sub>2</sub> O; ZnSO <sub>4</sub> +1H <sub>2</sub> O	7446-19-7	0.1 - 1%	*

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

**4. FIRST-AID MEASURES**

**Description of first aid measures**

**Eye Contact:** If in eyes, 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. 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 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.

**Unsuitable Extinguishing Media:** Use water. Do not use dry chemicals or foams. CO<sub>2</sub> or Halon may

provide limited control.

**Specific hazards:**

Dust may form explosive mixture in air.

**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:**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

**Environmental precautions:**

Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for containment:**

Vacuum or sweep up material and place in a disposal container.

**Methods for Cleanup:**

If material is uncontaminated, collect and reuse as recommended for product. If material is contaminated, put in appropriate container and dispose. Flush with water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling:** Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds.

**Conditions for safe storage, including any incompatibilities**

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Do not contaminate water, food, or feed by storage or disposal.

**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 <sub>3</sub> BO <sub>3</sub> 10043-35-3	TWA: 2 mg/m <sup>3</sup> inhalable particulate matter STEL: 6 mg/m <sup>3</sup> inhalable particulate matter	-	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**

<b>Eye/face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Hand Protection</b>	Neoprene gloves.
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Information on basic physical and chemical properties**

<b>Physical state</b>	Solid
<b>Color:</b>	blue
<b>Appearance:</b>	Crystals, Prills
<b>Odor:</b>	Fertilizer

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	No data available	
<b>Melting Point/Freezing Point:</b>	Not applicable	
<b>Boiling Point/Range:</b>	No data available	
<b>Flash Point:</b>		
<b>Evaporation Rate:</b>	no data available	
<b>Flammability (solid, gas):</b>	No data available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No data available	
<b>Lower Flammability Limit:</b>	No data available	
<b>Vapor Pressure:</b>	No data available	
<b>Vapour density</b>	No data available	
<b>Relative density</b>	no data available	
<b>Solubility:</b>	Highly soluble (>80%)	
<b>Solubility in other Solvents:</b>	no data available	
<b>Partition Coefficient:</b>	no data available	
<b>Autoignition Temperature:</b>	No data available	
<b>Hyphen</b>	no data available	
<b>Kinematic Viscosity:</b>	No data available	
<b>Dynamic Viscosity:</b>	no data available	
<b>Explosive Properties:</b>	no data available	
<b>Oxidizing Properties:</b>	May intensify fire; oxidizer	

**Other information**

<b>Softening Point:</b>	no data available
<b>Molecular Weight:</b>	no data available
<b>VOC content</b>	No data available
<b>Density:</b>	no data available
<b>Bulk density:</b>	65-75 lbs./cu.ft.

<b>10. STABILITY AND REACTIVITY</b>
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**Reactivity:**  
Stable under recommended storage conditions

<b><u>Chemically Stable:</u></b>	Yes.
<b><u>Conditions to Avoid:</u></b>	Protect from extremes of temperature.
<b><u>Materials to avoid</u></b>	Strong acids, bases, oxidizers, and reducing agents. Avoid contact with other chemicals. Fuels. Heavy metal salts.
<b><u>Hazardous Decomposition Products:</u></b>	Contact with acids liberates very toxic gas. Toxic metal oxides may be produced.
<b><u>Possibility of Hazardous Reactions:</u></b>	Poses little or no immediate hazard.

<b>11. TOXICOLOGICAL INFORMATION</b>
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**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** no data available.

**Numerical measures of toxicity**

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

**Oral LD50** 2,500.00

**Unknown Acute Toxicity:** 0% of the mixture consists of ingredient(s) of unknown toxicity

**LD50/oral:** no data available

**LD50/dermal:** no data available

**LC50/inhalation:** no data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium nitrate; KNO <sub>3</sub> 7757-79-1	= 3015 mg/kg ( Rat )	> 2000 mg/kg	> 527 mg/m <sup>3</sup>
Calcium ammonium nitrate (US) 15245-12-2	= 500 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	= 2217 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	> 88.8 mg/L ( Rat ) 4 h
Urea phosphate; CH <sub>7</sub> N <sub>2</sub> O <sub>5</sub> P 4861-19-2	= 2600 mg/kg (Rat)	-	-
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.12 mg/L ( Rat ) 4 h

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

<b>Skin corrosion/irritation</b>	no data available.
<b>Serious eye damage/eye irritation</b>	no data available.
<b>Respiratory or skin sensitization</b>	no data available.
<b>Germ Cell Mutagenicity</b>	no data available.

**Carcinogenicity** no data available.

Chemical name	ACGIH	IARC	NTP	OSHA
Potassium nitrate; KNO <sub>3</sub> 7757-79-1	-	Group 2A	-	X
Calcium ammonium nitrate (US) 15245-12-2	-	Group 2A	-	X
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-	Group 2A	-	X
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	-	Group 2A	-	X

**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
Boric acid; H <sub>3</sub> BO <sub>3</sub> 10043-35-3	-	-	-	EC50: 115 - 153mg/L (48h, Daphnia magna)

**Persistence and Degradability:** no data available.

**Bioaccumulation** No information available.

Chemical name	Partition coefficient
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	-1.09

**Other adverse effects** No information 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 <sub>4</sub> NO <sub>3</sub> 6484-52-2	Not listed	-
Zinc sulphate+1H <sub>2</sub> O; ZnSO <sub>4</sub> +1H <sub>2</sub> O 7446-19-7	1000 lb final RQ 454 kg final RQ	-

**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 hazards 3 Flammability 2 Reactivity: 1 Special Hazards: Oxy  
**HMIS:** Health hazards - Flammability 2 Reactivity: 1

**Prepared by** Regulatory Affairs Department

**Last Revision Date** 23-Feb-2023

**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**