



Safety Data Sheet

Original Issue Date no data available

Last Revision Date 10-Sep-2024

Version: 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product identifier

Product Name Peters Professional High Efficiency Water Soluble Fertilizer with Micronutrients 25-5-15

Other means of identification

Product ID G99083

UN-No: UN1477

Recommended use of the chemical and restrictions on use

Recommended Use Water soluble fertilizer.

Uses Advised Against None

Details of the supplier of the safety data sheet

Initial Supplier Identifier

Everris NA Inc.
P.O. Box 3310
Dublin, OH 43016

Emergency telephone number

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

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2. HAZARDS IDENTIFICATION

| | |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
| Reproductive toxicity | Category 1B |
| Oxidizing solids | Category 3 |

Label Elements:

Danger

Hazard statements

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



Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Keep away from clothing and other combustible materials
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Eyes

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

Fire

In case of fire: Use water spray to extinguish

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

Unknown acute toxicity

- 0 % of the mixture consists of ingredient(s) of unknown toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

| Chemical name | CAS No. | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---|-----------|----------|--|---|
| Ammonium nitrate; NH ₄ NO ₃ | 6484-52-2 | 30 - 60% | - | - |
| Potassium nitrate; KNO ₃ | 7757-79-1 | 15 - 40% | - | - |

| | | | | |
|--|------------|----------|---|---|
| Boric acid; H ₃ BO ₃ | 10043-35-3 | 0.1 - 1% | - | - |
|--|------------|----------|---|---|

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Remove to fresh air. If symptoms persist, call a physician. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects, both acute and delayed

Symptoms no data available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |
| Specific hazards arising from the chemical | Thermal decomposition can lead to release of toxic and corrosive gases/vapors. |
| Specific methods: | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

| | |
|--|--|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Pick up and transfer to properly labeled containers. |
| Prevention of secondary hazards | Clean contaminated objects and areas thoroughly observing environmental regulations. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging materials Paperbags or Bulk.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

| | |
|------------------|---|
| Chemical name | Boric acid; H ₃ BO ₃ - 10043-35-3 |
| British Columbia | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |
| Ontario | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |
| Quebec | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |

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).

Skin and body protection No special protective equipment required.

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

Information on basic physical and chemical properties

Physical state Solid
Appearance: Prills, powder

Color: blue
 Odor: Fertilizer

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|--------------------|---------------------------|
| pH: | No data available | no data available |
| Melting Point/Freezing Point: | No data available | no data available |
| Boiling Point/Range: | No data available | no data available |
| Flash Point: | No data available | no data available |
| Evaporation Rate: | no data available | no data available |
| Flammability (solid, gas): | No data available | no data available |
| Flammability Limits in Air: | | no data available |
| Upper Flammability Limit: | No data available | |
| Lower Flammability Limit: | No data available | |
| Vapor Pressure: | No data available | no data available @ .? °C |
| Vapour density | No data available | no data available |
| Relative density | | no data available |
| Water Solubility: | no data available | no data available |
| Solubility in other Solvents: | no data available | no data available |
| Partition Coefficient: | no data available | no data available |
| Autoignition Temperature: | No data available | no data available |
| Hyphen | no data available | no data available |
| Kinematic Viscosity: | No data available | no data available |
| Dynamic Viscosity: | no data available | no data available |
| Explosive properties | no data available. | |
| Oxidizing properties | no data available. | |
| <u>Other information</u> | | |
| Softening Point: | no data available | |
| Molecular Weight: | no data available | |
| VOC content | No data available | |
| Density: | no data available | |
| Bulk Density: | no data available | |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | Not reactive. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal processing. |
| Conditions to Avoid: | None known based on information supplied. |
| Incompatible materials | None known based on information supplied. |
| Hazardous decomposition products | None known based on information supplied. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms no data available.

Numerical measures of toxicity

Acute toxicity

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

ATEmix (oral) 99,999.00 mg/kg
ATEmix (dermal) 99,999.00 mg/kg
ATEmix (inhalation-gas) 99,999.00 mg/l
ATEmix (inhalation-dust/mist) 99,999.00 mg/l
ATEmix (inhalation-vapor) 99,999.00

mg/l

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
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| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------------------|--------------------------|
| Ammonium nitrate; NH ₄ NO ₃ - 6484-52-2 | = 2217 mg/kg (Rat) | > 5000 mg/kg (Rat) | > 88.8 mg/L (Rat) 4 h |
| Potassium nitrate; KNO ₃ - 7757-79-1 | = 3015 mg/kg (Rat) | > 5000 mg/kg (Rat) | > 0.527 mg/L (Rat) 4 h |
| Boric acid; H ₃ BO ₃ - 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:

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.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| | |
|---------------|---|
| Chemical name | Ammonium nitrate; NH ₄ NO ₃ - 6484-52-2 |
| ACGIH | - |
| IARC | Group 2A |
| NTP | - |
| OSHA | X |
| Chemical name | Potassium nitrate; KNO ₃ - 7757-79-1 |
| ACGIH | - |

| | |
|---------------|---|
| IARC | Group 2A |
| NTP | - |
| OSHA | X |
| Chemical name | Boric acid; H ₃ BO ₃ - 10043-35-3 |
| ACGIH | - |
| IARC | Group 2A |
| NTP | - |
| OSHA | X |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A4 - Not Classifiable as a Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

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

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

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|----------------------|------|----------------------------|--|
| Boric acid; H ₃ BO ₃ - 10043-35-3 | - | - | - | EC50: 115 - 153mg/L (48h, Daphnia magna) |

Persistence and Degradability: no data available.

Bioaccumulation No information available.

Component Information

| Chemical name | Partition coefficient |
|---|-----------------------|
| Ammonium nitrate; NH ₄ NO ₃ - 6484-52-2 | -3.1 |
| Boric acid; H ₃ BO ₃ - 10043-35-3 | -1.09 |

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

TDG

UN-No: 1477
Proper shipping name: Nitrates, Inorganic N.O.S.
Transport hazard class(es) 5.1
Packing group: III

DOT

UN-No: Regulated
UN1477
Proper shipping name: Nitrates, inorganic, n.o.s.
Transport hazard class(es) 5.1
Packing group: III

IATA

UN number or ID number Regulated
UN1477
Proper shipping name: Nitrates, Inorganic N.O.S.
Transport hazard class(es) 5.1
Packing group III

IMDG

UN number or ID number Regulated
UN1477
Proper shipping name: Nitrates, inorganic, n.o.s.
Transport hazard class(es) 5.1
Packing group: III

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer
Not applied

The Stockholm Convention on Persistent Organic Pollutants
Not applicable

The Rotterdam Convention Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|---------------------------|--------------------|----------------|--------------------|-------------------------------------|
| NFPA: _____ | Health hazards 2 | Flammability 0 | Instability 1 | Physical and chemical properties OX |
| HMIS Health Rating: _____ | Health hazards 2 * | Flammability 0 | Physical hazards 1 | Personal protection X |

Prepared by Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM).

Last Revision Date 10-Sep-2024

Revision Note *** Indicates changes since the last revision. This version replaces all previous versions.
Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.