

# Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Last Revision Date 16-Aug-2021

Version: 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

|                                 |  |
|---------------------------------|--|
| Product Name                    | Peters Professional Power P 9-41-25+TE |
| Product Code                    | 2123-215HA                             |
| Unique Formula Identifier (UFI) | G9V5-30RS-X00C-18RX                    |
| Pure substance/mixture          | Mixture                                |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|                      |  |
|----------------------|--|
| Recommended Use      | Fertilizer (PC12). Restricted to professional users. |
| Uses Advised Against | Consumer use (SU21)                                  |

Reason why uses advised against Use advised against in Chemical Safety Assessment per REACH Annex I point 7 2.3

### 1.3. Details of the supplier of the safety data sheet

Everris International B.V. Nijverheidsweg 1-5; 6422 PD Heerlen (NL); Tel: +31 (0)45-5609100; Fax: +31 (0)45-5609190

For further information, please contact: INFO-MSDS@EVERRIS.COM  
Non-Emergency Telephone Number +31 (0) 418655700

### 1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24/7)

|                |                                |
|----------------|--------------------------------|
| Europe         | 112                            |
| Austria        | +43 1 406 43 43                |
| Belgium        | 070 245 245                    |
| Denmark        | +45 8212 1212                  |
| Finland        | 0800 147 111                   |
| France         | + 33 (0)1 45 42 59             |
| Ireland        | 01 809 2566                    |
| Netherlands    | +31 88 75 585 61               |
| Norway         | +45 735 80500                  |
| Poland         | +48 42 2538 400                |
| Portugal       | +351 800 250 250               |
| Spain          | +34 91 562 04 20               |
| Sweden         | 112                            |
| Switzerland    | Tox Info Switzerland 145 (24h) |
| United Kingdom | 111                            |

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B - (H314) |
| Serious eye damage/eye irritation | Category 1 - (H318)                |

### 2.2. Label elements



Contains Urea phosphate;  $CH_7N_2O_5P$

**Signal word**

Danger

**Hazard statements**

H314 - Causes severe skin burns and eye damage

**Precautionary Statements - EU (528, 1272/2008)**

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves/protective clothing and eye/face protection

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

**Additional information**

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name   | EC No     | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL)  | REACH registration number | M-Factor | M-Factor (long-term) |
|---|-----------|----------|---|---|---------------------------|----------|----------------------|
| Urea phosphate;<br>$CH_7N_2O_5P$<br>(4861-19-2)           | 225-464-3 | 40 - 65% | Skin Corr. 1B (H314)  | Skin Corr. 1B ::<br>C>=25%<br>Skin Irrit. 2 ::<br>10%<=C<25%<br>Eye Irrit. 2 ::<br>10%<=C<25%<br>Skin Irrit. 3 ::<br>C<=10% | 01-2119489460-34          | -        | -                    |
| Tetrapotassium pyrophosphate; $Na_4P_2O_7$<br>(7320-34-5) | 230-785-7 | 40 - 65% | Eye Irrit. 2 (H319)   | -   | 01-2119489369-18          | -        | -                    |
| Ammonium nitrate; $NH_4NO_3$<br>(6484-52-2)               | 229-347-8 | 1 - 5%   | Eye Irrit. 2 (H319)<br>Ox. Sol. 3 (H272)                        | Eye Irrit. 2 ::<br>C>=80%   | 01-2119490981-27          | -        | -                    |
| Boric acid; $H_3BO_3$<br>(10043-35-3)                     | 233-139-2 | 0.1 - 1% | Repr. 1B (H360FD)   | -   | 01-2119486683-25          | -        | -                    |
| Copper-( $NH_4$ ) <sub>2</sub> -EDTA<br>(67989-88-2)      | 268-018-3 | 0.1 - 1% | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)                     | -   | 01-2119980793-23          | -        | -                    |

**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name                                     | Oral LD50 | Dermal LD50 | Inhalation LC50 - 4 hour<br>- dust/mist - mg/L |
|---|-----------|-------------|--|
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> | 2217      | 5000        | 88.8   |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>        | 2660      | 2000        | 0.16   |

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

| Chemical name                              | CAS No     | SVHC candidates |
|--|------------|-----------------|
| Boric acid; H <sub>3</sub> BO <sub>3</sub> | 10043-35-3 | Present         |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>                         | Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention. |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.   |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.  |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.  |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).   |

### 4.2. Most important symptoms and effects, both acute and delayed

|                 |                    |
|-----------------|--------------------|
| <b>Symptoms</b> | Burning sensation. |
|-----------------|--------------------|

### 4.3. Indication of any immediate medical attention and special treatment needed

|                           |  |
|---------------------------|--|
| <b>Note to physicians</b> | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. |
|---------------------------|--|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                     |   |
|-------------------------------------|---|
| <b>Suitable Extinguishing Media</b> | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|-------------------------------------|---|

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous Combustion Products** Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

**5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8. Prevent entry into waterways, sewers, basements or confined areas.

**6.2. Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

**6.3. 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** Take up mechanically, placing in appropriate containers for disposal. Use up product completely. Packaging material is industrial waste.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is

recommended. Wash hands before breaks and immediately after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

**Packaging materials** Keep in original container, tightly closed in a safe place.

### 7.3. Specific end use(s)

**Specific use(s)** Fertilizer.

**Exposure scenario** Mixture. Not required.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

### Other Information

LGK (Germany) TRGS 510 8B

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

| Chemical name  | European Union  | Austria  | Belgium   | Bulgaria  | Croatia   |
|--|---|--|---|---|---|
| Boric acid; H <sub>3</sub> BO <sub>3</sub>           | -   | -  | TWA: 2 mg/m <sup>3</sup><br>STEL: 6 mg/m <sup>3</sup>   | TWA: 5.0 mg/m <sup>3</sup>                                | -   |
| Copper-(NH <sub>4</sub> ) <sub>2</sub> -EDTA         | -   | TWA: 1 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>STEL 4 mg/m <sup>3</sup><br>STEL 0.4 mg/m <sup>3</sup> | -   | -   | -   |
| Chemical name  | Cyprus  | Czech Republic   | Denmark   | Estonia   | Finland   |
| Ammonium nitrate;<br>NH <sub>4</sub> NO <sub>3</sub> | -   | TWA: 10.0 mg/m <sup>3</sup>  | -   | -   | -   |
| Copper-(NH <sub>4</sub> ) <sub>2</sub> -EDTA         | -   | -  | -   | -   | TWA: 0.02 mg/m <sup>3</sup>                               |
| Chemical name  | France  | Germany  | Germany MAK   | Greece  | Hungary   |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>           | -   | TWA: 0.5 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup><br>Peak: 10 mg/m <sup>3</sup> | -   | -   |
| Copper-(NH <sub>4</sub> ) <sub>2</sub> -EDTA         | -   | -  | -   | -   | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup> |
| Chemical name  | Italy   | Latvia   | Lithuania   | Luxembourg  | Netherlands   |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>           | -   | TWA: 10 mg/m <sup>3</sup>  | TWA: 10 mg/m <sup>3</sup>                               | -   | -   |
| Chemical name  | Norway  | Poland   | Portugal  | Romania   | Slovakia  |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>           | -   | -  | TWA: 2 mg/m <sup>3</sup><br>STEL: 6 mg/m <sup>3</sup>   | -   | -   |
| Chemical name  | Slovenia  | Spain  | Sweden  | Switzerland   | United Kingdom  |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>           | TWA: 0.5 mg/m <sup>3</sup><br>STEL: 1 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>STEL: 6 mg/m <sup>3</sup>  | -   | TWA: 1.8 mg/m <sup>3</sup><br>STEL: 1.8 mg/m <sup>3</sup> | -   |
| Copper-(NH <sub>4</sub> ) <sub>2</sub> -EDTA         | -   | TWA: 0.1 mg/m <sup>3</sup>   | -   | -   | -   |

#### Biological occupational exposure limits

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

|  |   |
|--|---|
| <b>Personal protective equipment</b>   | Wear normal, light working clothing   |
| <b>Eye/face protection</b>             | Tight sealing safety goggles. Face protection shield.   |
| <b>Hand protection</b>                 | Wear suitable gloves. Impervious gloves.  |
| <b>Skin and body protection</b>        | Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.   |
| <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>  | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. |
| <b>Environmental exposure controls</b> | Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.   |

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

|                       |                |
|-----------------------|----------------|
| <b>Physical state</b> | Solid          |
| <b>Appearance:</b>    | Prills, powder |
| <b>Color:</b>         | Off-white      |
| <b>Odor:</b>          | Fertilizer.    |

| <u>Property</u>                      | <u>Values</u>     | <u>Remarks • Method</u> |
|--------------------------------------|-------------------|-------------------------|
| <b>Melting Point/Freezing Point:</b> | No data available | None known              |
| <b>Boiling Point/Range:</b>          | No data available | None known              |
| <b>Flammability (solid, gas):</b>    | No data available | None known              |
| <b>Flammability Limits in Air:</b>   |                   | None known              |
| <b>Upper Flammability Limit:</b>     | No data available |                         |
| <b>Lower Flammability Limit:</b>     | No data available |                         |
| <b>Flash Point:</b>                  | No data available | None known              |
| <b>Autoignition Temperature:</b>     | No data available | None known              |
| <b>Decomposition Temperature:</b>    |                   | None known              |
| <b>pH</b>                            | No data available | None known              |
| <b>pH (as aqueous solution)</b>      | No data available | None known              |
| <b>Kinematic Viscosity:</b>          | No data available | None known              |
| <b>Dynamic Viscosity:</b>            | No data available | None known              |
| <b>Water solubility</b>              | No data available | None known              |
| <b>Solubility(ies)</b>               | No data available | None known              |
| <b>Partition Coefficient:</b>        | No data available | None known              |
| <b>Vapor Pressure:</b>               | No data available | None known              |
| <b>Relative density</b>              | No data available | None known              |
| <b>Bulk density</b>                  | No data available |                         |
| <b>Density:</b>                      | No data available |                         |
| <b>Vapour density</b>                | No data available | None known              |
| <b>Particle characteristics</b>      |                   |                         |
| <b>Particle Size</b>                 | No data available |                         |
| <b>Particle Size Distribution</b>    | No data available |                         |

### 9.2. Other information

9.2.1. Information with regard to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

**Reactivity** Not reactive.

### **10.2. Chemical stability**

**Stability** Stable under normal conditions.

#### **Specific methods:**

Sensitivity to mechanical impact Not sensitive.  
Sensitivity to static discharge Not sensitive.

### **10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

### **10.4. Conditions to avoid**

**Conditions to avoid** Exposure to air or moisture over prolonged periods.

### **10.5. Incompatible materials**

**Incompatible materials** Acids. Bases. Oxidizing agent.

### **10.6. Hazardous decomposition products**

**Hazardous Decomposition Products** None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Information on likely routes of exposure**

##### **Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Corrosive to the eyes and may cause severe damage including blindness. May cause irreversible damage to eyes.   |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.   |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark  |

blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

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

**Symptoms** Redness. Burning. May cause blindness. Coughing and/ or wheezing.

**Numerical measures of toxicity**

**Acute toxicity**

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

**Component Information**

| Chemical name   | Oral LD50            | Dermal LD50  | Inhalation LC50         |
|---|----------------------|--------------|-------------------------|
| Urea phosphate; CH <sub>7</sub> N <sub>2</sub> O <sub>5</sub> P | = 2600 mg/kg (Rat)   | -            | -                       |
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>               | = 2217 mg/kg ( Rat ) | > 5000 mg/kg | > 88.8 mg/L ( Rat ) 4 h |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>                      | = 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** Classification based on data available for ingredients. Causes burns.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

| Chemical name  | European Union |
|--|----------------|
| Boric acid; H <sub>3</sub> BO <sub>3</sub><br>10043-35-3 | Repr. 1B       |

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met

**Aspiration hazard** Based on available data, the classification criteria are not met

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity**

**Unknown aquatic toxicity**

Contains 0 % of components with unknown hazards to the aquatic environment.



| Chemical name   | Algae/aquatic plants | Fish                                      | Toxicity to microorganisms | Crustacea                                |
|---|----------------------|---|----------------------------|--|
| Tetrapotassium pyrophosphate; Na <sub>4</sub> P <sub>2</sub> O <sub>7</sub> | -                    | LC50: >100mg/L (96h, Oncorhynchus mykiss) | -                          | EC50: >100mg/L (48h, water flea)         |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>                                  | -                    | -   | -                          | EC50: 115 - 153mg/L (48h, Daphnia magna) |

### 12.2. Persistence and degradability

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

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

| Chemical name                                     | Partition coefficient |
|---|-----------------------|
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> | -3.1                  |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>        | -0.757                |

### 12.4. Mobility in soil

**Mobility in soil** no data available.

**Mobility** no data available.

### 12.5. Results of PBT and vPvB assessment

#### PBT and vPvB assessment

| Chemical name   | PBT and vPvB assessment  |
|---|--|
| Urea phosphate; CH <sub>7</sub> N <sub>2</sub> O <sub>5</sub> P             | The substance is not PBT / vPvB PBT assessment does not apply  |
| Tetrapotassium pyrophosphate; Na <sub>4</sub> P <sub>2</sub> O <sub>7</sub> | PBT assessment does not apply  |
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>                           | The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>                                  | The substance is not PBT / vPvB PBT assessment does not apply  |
| Copper-(NH <sub>4</sub> ) <sub>2</sub> -EDTA                                | The substance is not PBT / vPvB  |

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

### 12.7. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. 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.

**Other Information** Use up product completely. Packaging material is industrial waste. If material is uncontaminated, collect and reuse as recommended for product.

## SECTION 14: Transport information

**IMDG**

|  |   |
|--|---|
| <u>14.1</u>  |   |
| UN-No:   | 1759                                    |
| <u>14.2</u>  |   |
| Proper shipping name:                                    | Corrosive solid N.O.S. (Urea phosphate) |
| <u>14.3</u>  |   |
| Transport hazard class(es)                               | 8                                       |
| <u>14.4</u>  |   |
| Packing group:<br>Limited Quantity                       | II<br>5 kg                              |
| <u>14.5</u>  |   |
| Marine Pollutant:  | Not applied                             |
| <u>14.6</u>  |   |
| EmS:   | F-A, S-B                                |
| Special Provisions                                       | 223, 274                                |
| <u>14.7</u>  |   |
| Bulk transport according Annex II of MARPOL and IBC Code | No data available                       |

**ADR**

|  |   |
|--|---|
| <u>14.1</u>                                  |   |
| UN-No:                                       | 1759                                    |
| <u>14.2</u>                                  |   |
| Proper shipping name:                        | Corrosive solid N.O.S. (Urea Phosphate) |
| <u>14.3</u>                                  |   |
| Transport hazard class(es)                   | 8                                       |
| <u>14.4</u>                                  |   |
| Packing group:                               | II                                      |
| <u>14.5</u>                                  |   |
| Environmental hazards<br>Classification code | Not regulated<br>C10                    |
| <u>14.6</u>                                  |   |
| Special Provisions<br>Limited Quantity       | 274<br>5 kg                             |

**IATA**

|                            |   |
|----------------------------|---|
| <u>14.1</u>                |   |
| UN number or ID number     | 1759                                    |
| <u>14.2</u>                |   |
| Proper shipping name:      | Corrosive solid N.O.S. (Urea Phosphate) |
| <u>14.3</u>                |   |
| Transport hazard class(es) | 8                                       |
| <u>14.4</u>                |   |
| Packing group              | II                                      |
| <u>14.5</u>                |   |
| Environmental hazards      | Not regulated                           |
| <u>14.6</u>                |   |
| Special Provisions         | A3                                      |



**SECTION 15: Regulatory information**

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

National regulations

**Denmark**

**France**

**Germany**

LGK (Germany) TRGS 510  
Gefahrstoffverordnung (Germany) TRGS 511  
Water hazard class (WGK)

8B  
Not regulated  
slightly hazardous to water (WGK 1)

| Chemical name   | German WGK Section   |
|---|--|
| Urea phosphate; CH <sub>7</sub> N <sub>2</sub> O <sub>5</sub> P             | Reg. no. 6537, hazard class 1 - slightly hazardous to water  |
| Tetrapotassium pyrophosphate; Na <sub>4</sub> P <sub>2</sub> O <sub>7</sub> | 1  |
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>                           | 1  |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>                                  | 1  |
| Copper-(NH <sub>4</sub> ) <sub>2</sub> -EDTA                                | Reg. no. 2351, hazard class 2 - obviously hazardous to water |

**Netherlands**

| Chemical name                              | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins        |
|--|-----------------------------------|--------------------------------|--|
| Boric acid; H <sub>3</sub> BO <sub>3</sub> | -                                 | -                              | Fertility Category 1B<br>Development Category 1B |

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Take note of Directive 94/33/EC on the protection of young people at work**

Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name                                     | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|---|---|--|
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> | 58.                                       | -  |
| Boric acid; H <sub>3</sub> BO <sub>3</sub>        | 30.                                       | -  |

**REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors**

| Chemical name                                     | REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors |
|---|---|
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> | Present (16% by weight of N in relation to AN or higher)                    |

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

**Persistent Organic Pollutants**

Not applicable

**Named dangerous substances per Seveso Directive (2012/18/EU)**

| Chemical name                                     | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|---|--------------------------------|--------------------------------|
| Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> | 350                            | 2500                           |

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

**EU - Biocides**

| Chemical name                              | EU - Biocides                      |
|--|------------------------------------|
| Boric acid; H <sub>3</sub> BO <sub>3</sub> | Product-type 8: Wood preservatives |

**International Inventories:**

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

**Chemical Safety Report** Substance(s) usage is covered according to Reach regulation 1907/2006

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

- H272 - May intensify fire; oxidizer
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H360FD - May damage fertility. May damage the unborn child

**Legend**

- SVHC: Substances of Very High Concern for Authorization:
- PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
- vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Classification procedure**

- Calculation method
- Expert judgment and weight of evidence determination

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapor                               | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |

|                                   |                    |
|-----------------------------------|--------------------|
| Skin corrosion/irritation         | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitization         | Calculation method |
| Skin sensitization                | Calculation method |
| Mutagenicity                      | Calculation method |
| Carcinogenicity                   | Calculation method |
| Reproductive toxicity             | Calculation method |
| STOT - single exposure            | Calculation method |
| STOT - repeated exposure          | Calculation method |
| Acute aquatic toxicity            | Calculation method |
| Chronic aquatic toxicity          | Calculation method |
| Aspiration hazard                 | Calculation method |
| Ozone                             | Calculation method |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

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**Last Revision Date** 16-Aug-2021

**Restrictions on use** Restricted to professional users

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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**End of Safety Data Sheet**