



# Safety Data Sheet

Issue Date: 13-Nov-2013

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Version: 4

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Name:** Peters Professional 10-52-10+TE  
**Product Code** 21040215EA  
**Synonyms:** Peters Professional 10-22.7-8.3+TE

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

**Recommended Use:** Fertilizer  
Restricted to professional users  
**Uses Advised Against:** Consumer use.

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

#### Manufacturer

Everris International BV  
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

### 1.4. Emergency telephone number

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

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Mixture

*Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

*Classification according 67/548/EC and 88/379/EC or 1999/45/EC*

This product does not have to be classified according to the EU regulations (1999/45/EC)

To avoid risks to man and the environment, comply with the instructions for use.

*Full text of R-phrases: see section 16*

### 2.2. Label elements

#### Product Identifier:

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

#### Signal Word:

None

EUH210 - Safety data sheet available on request

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Ingredients	EC-No.	CAS-No	Weight %	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Urea	200-315-5	57-13-6	5 - 10%	NE	Not classified	01-2119463277-33
Iron-DTPA; Fe-DTPA	235-627-0	12389-75-2	1 - 5%	NE	Not classified	01-2119980786-18
Manganese-EDTA, Mn-EDTA	239-407-5	15375-84-5	0.1 - 1%	NE	Not classified	01-2119493600-40
Boric Acid; H3BO3	233-139-2	10043-35-3	0.1 - 1%	Repr.Cat.2;R60-6 1	Repr. 1B (H360FD)	01-2119486683-25
Copper-EDTA; Cu-EDTA	237-864-5	14025-15-1	0.1 - 1%	Xn;R22	Acute Tox. 4 (H302)	01-2119963944-23
Sodium molybdate; Na2MoO4+2H2O	231-551-7	7631-95-0	< 0.1%	NE	Not classified	01-2119489495-21

**Full text of R-phrases: see section 16**

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

## Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

<b>General Advice:</b>	First aid measures should be executed by trained personnel only.
<b>Inhalation:</b>	Possible symptoms are coughing and/or dyspnoea. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Skin Contact:</b>	If skin irritation persists, call a physician.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	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. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
<b>Protection of First-Aiders:</b>	Low hazard for usual industrial or commercial handling.

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

**Symptoms:** None under normal processing

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

**Notes to Physician:** None under normal processing.

## Section 5: FIRE FIGHTING MEASURES

**5.1. Extinguishing media****Suitable extinguishing media:**

Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO2, water spray or "alcohol" foam.

**Unsuitable extinguishing media:**

High volume water jet.

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

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**5.3. Advice for firefighters**

Coordinate fire extinguishing measures to fire in surrounding area.

**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:** Sweep-up to prevent slipping hazard. Use personal protective equipment.  
**For Emergency Responders:** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent product from entering drains. Do not contaminate surface water.

**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 Cleanup:** Sweep up and shovel.

**6.4. Reference to other sections**

§ 8, 12, 13.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

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

Technical measures/storage conditions:

Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep away from food, drink and animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. Keep at temperatures between 0 °C and 40 °C.

LGK (Germany)  
 Packaging Materials:

Exempt  
 Bags or Bulk.

**7.3. Specific end use(s)**

Specific use(s)

Fertilizer; Read and follow label instructions; www.everris.com

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

<i>Urea</i>	
Latvia - Occupational Exposure Limits - TWAs	10 mg/m <sup>3</sup> TWA
Bulgaria - Occupational Exposure Limits - TWAs	10.0 mg/m <sup>3</sup> TWA
Norway	TWA: 30 µg Hg/g Creatinine STEL: 45 µg Hg/g Creatinine
<i>Iron-DTPA; Fe-DTPA</i>	
Spain Occupational Exposure Limits Data - Time Weighted Average (TWA):	TWA: 1 mg/m <sup>3</sup>
Portugal	TWA: 1 mg/m <sup>3</sup>
Finland	TWA: 1 mg/m <sup>3</sup>
Denmark	TWA: 1 mg/m <sup>3</sup>
Switzerland	TWA: 1 mg/m <sup>3</sup>

<i>Manganese-EDTA, Mn-EDTA</i>	
Czech Republic OEL	1 mg/m <sup>3</sup> TWA
Ireland	TWA: 0.2 mg/m <sup>3</sup>
<i>Boric Acid: H3BO3</i>	
Latvia - Occupational Exposure Limits - TWAs	10 mg/m <sup>3</sup> TWA
Bulgaria - Occupational Exposure Limits - TWAs	5.0 mg/m <sup>3</sup> TWA (as B, listed under Boron and its inorganic compounds)
Spain Occupational Exposure Limits Data - Time Weighted Average (TWA):	STEL: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>
Portugal	STEL: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>
Portugal - TWAs	2 mg/m <sup>3</sup> TWA
Switzerland	STEL: 10 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>
<i>Copper-EDTA: Cu-EDTA</i>	
Finland	TWA: 1 mg/m <sup>3</sup>
Austria	STEL 4 mg/m <sup>3</sup> STEL 0.4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
<i>Sodium molybdate; Na2MoO4+2H2O</i>	
UK oes/mel:	TWA: 5 mg/m <sup>3</sup>
France - Occupational Exposure Limits - 8 Hour VMEs	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Czech Republic OEL	5 mg/m <sup>3</sup> TWA
Spain Occupational Exposure Limits Data - Time Weighted Average (TWA):	TWA: 0.5 mg/m <sup>3</sup>
Portugal	TWA: 0.5 mg/m <sup>3</sup>
Finland - Occupational Exposure Limits - 8 hour	6 mg/m <sup>3</sup>
Finland	TWA: 0.5 mg/m <sup>3</sup>
Denmark	TWA: 5 mg/m <sup>3</sup>
Austria	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Switzerland	TWA: 5 mg/m <sup>3</sup>
Poland	STEL: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>
Norway	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Ireland	TWA: 10 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>
France - Valeurs Limites d'exposition (VLE)	5 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)**

No data available

**Predicted No Effect Concentration (PNEC)**

No data available.

**8.2. Exposure controls**

**Engineering Measures to Reduce Exposure:** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Eye/Face Protection: Tightly fitting safety goggles  
 Hand protection: Nitrile rubber (0.26 mm). Break through time. > 8 h.  
 Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment  
 Skin and Body Protection: Lightweight protective clothing  
 Hygiene Measures: Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical State:</b>	Solid
<b>Appearance:</b>	powder
<b>Color:</b>	Off-white.
<b>Odor:</b>	Not significant
<b>pH:</b>	4.5 (@ 200 g/l)
<b>Melting Point/Freezing Point:</b>	no data available
<b>Boiling Point/Range:</b>	Solid, not applicable
<b>Flash Point:</b>	Solid, not applicable
<b>Evaporation Rate:</b>	Solid, not applicable
<b>Flammability (solid, gas):</b>	Non-flammable
<b>Vapor Pressure:</b>	Solid, not applicable
<b>Vapor Density:</b>	Solid, not applicable
<b>Specific Gravity:</b>	no data available
<b>Water Solubility:</b>	Soluble in water
<b>Solubility(ies)</b>	no data available
<b>Partition Coefficient:</b>	Solid, not applicable
<b>Autoignition Temperature:</b>	not applicable
<b>Decomposition Temperature:</b>	no data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard. Based on data of ingredients.

**9.2. Other information**

<b>Bulk density:</b>	800 - 1200 kg/m <sup>3</sup>
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**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not reactive.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions****Hazardous Decomposition Products:**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Possibility of Hazardous Reactions:**

None under normal processing.

**10.4. Conditions to avoid**

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

**10.5. Incompatible materials**

Strong oxidizing agents. Acids and bases. Strong reducing agents. Flammable materials.

**10.6. Hazardous decomposition products**

None under normal processing.

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute Toxicity****Product Information:**

<b>Inhalation:</b>	May cause irritation of respiratory tract.
<b>Eye Contact:</b>	May cause irritation.
<b>Skin Contact:</b>	May cause irritation.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Unknown Acute Toxicity:</b>	0% of the mixture consists of ingredient(s) of unknown toxicity.

**Component Information:**

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Boric Acid; H3BO3	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 0.16 mg/L ( Rat ) 4 h

Sodium molybdate; Na <sub>2</sub> MoO <sub>4</sub> +2H <sub>2</sub> O	= 4233 mg/kg ( Rat )	> 2000 mg/kg (Rat)	> 2080 mg/m <sup>3</sup> ( Rat ) 4 h
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**Skin Corrosion or Irritation**  
**Serious Eye Damage or Eye Irritation**  
**Sensitization**  
**Mutagenic effects**  
**Carcinogenicity**

See also section 3.  
 See also section 3.  
 See also section 3.  
 See also section 3.  
 The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive Toxicity**

Ingredients	EU - GHS - SV - CLP (1272/2008) - Reproductive Toxicity
Boric Acid; H <sub>3</sub> BO <sub>3</sub>	Reproductive Toxicity - Repr. 1B: H360FD May damage fertility. May damage the unborn child. (C >= 5.5 %)

**Teratogenicity**  
**STOT - Single Exposure**  
**STOT - Repeated Exposure**  
**Aspiration Hazard**

No data available.  
 No known effects under normal use conditions.  
 None under normal use conditions.  
 No data available.

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Do not allow product to enter the environment uncontrolled.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Crustacea
Urea		16200 - 18300: 96 h Poecilia reticulata mg/L LC50	3910: 48 h Daphnia magna mg/L EC50 Static
Boric Acid; H <sub>3</sub> BO <sub>3</sub>			115 - 153: 48 h Daphnia magna mg/L EC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

Ingredients	LOGPOW
Urea	-1.59
Boric Acid; H <sub>3</sub> BO <sub>3</sub>	-0.757

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

not applicable

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Disposal of Wastes:**  
**Contaminated Packaging:**  
**Other Information:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.  
 Do not re-use empty containers. Dispose of as unused product.  
 Use up product completely. Packaging material is industrial waste.

## Section 14: TRANSPORT INFORMATION

### IMO / IMDG

<b>14.1</b> UN-No:	Not regulated
<b>14.2</b> Proper shipping name:	Not regulated
<b>14.3</b> Hazard Class:	Not regulated
<b>14.4</b> Packing group:	Not regulated
<b>14.5</b> Marine Pollutant:	No information available
<b>14.6</b> Special Provisions	None
<b>14.7</b> Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated

### ADR/RID

<b>14.1</b> UN-No:	Not regulated
<b>14.2</b> Proper shipping name:	Not regulated
<b>14.3</b> Hazard Class:	Not regulated
<b>14.4</b> Packing group:	Not regulated
<b>14.5</b> Environmental Hazard	Not regulated
<b>14.6</b> Special Provisions	None

### IATA

<b>14.1</b> UN-No:	Not regulated
<b>14.2</b> Proper shipping name:	Not regulated
<b>14.3</b> Hazard Class:	Not regulated
<b>14.4</b> Packing group:	Not regulated
<b>14.5</b> Environmental Hazard	Not regulated
<b>14.6</b> Special Provisions	None

## Section 15: REGULATORY INFORMATION

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

#### National regulations

France

ICPE (FR):

Classified installation: article 1230

Germany

**Gefahrstoffverordnung (Germany) TRGS 511**  
**LGK (Germany)**  
**Water Endangering Class (WGK):**

Not Applicable  
 Exempt  
 1 (Everris classification)

Component	German WGK Section
Urea 57-13-6 ( 5 - 10% )	class 1
Boric Acid; H3BO3 10043-35-3 ( 0.1 - 1% )	class 1
Sodium molybdate; Na2MoO4+2H2O 7631-95-0 ( < 0.1% )	class 1

### European Union

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

### 15.2. Chemical safety assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

## Section 16: OTHER INFORMATION

### **Text of R Phrases mentioned in Section 3**

R22 - Harmful if swallowed  
 R60 - May impair fertility  
 R61 - May cause harm to the unborn child

### **Full text of H-Statements referred to under sections 2 and 3**

H360FD - May damage fertility. May damage the unborn child  
 H302 - Harmful if swallowed

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

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail  
 ICAO: International Civil Aviation Organization  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 PNEC: Predicted No Effect Concentration  
 DNEL: Derived No-Effect Level  
 Reach: Registration, Evaluation, authorization of Chemicals  
 CLP: EU-GHS; Classification, Labelling and Packaging  
 OEL: Occupational Exposure Limit  
 TWA: Time Weighted Average  
 ATE: Acute Toxicity Estimate  
 EUH statement: CLP (EU) specific hazard statement.

### **Classification procedure:**

- Calculation method  
 - Expert judgment and weight of evidence determination

### **Key literature references and sources for data**

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010  
 Regulation (EC) No 1272/2008

### **Prepared by:**

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

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### **Revision Date:**

19-Aug-2014



**Reason for revision:**

\*\*\* Indicates changes since the last revision. This version replaces all previous versions.

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

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**End of Safety Data Sheet**