

# Safety Data Sheet

Issue Date 28-Feb-2019

Revision Date 10-Oct-2019

Version: 6

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

### 1.1. Product identifier

**Product Name** Sierrablen Plus Spring & Summer 17-5-5+2CaO+5MgO; 2-3M  
**Product Code:** 40610125DA  
**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 [SU 21].

### 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.

**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 (CLP)*

<b>Skin Corrosion or Irritation</b>	Category 2 - (H315)
<b>Eye Irritation</b>	Category 2 - (H319)
<b>Specific Target Organ Toxicity (Single Exposure)</b>	Category 3 - (H335)

### 2.2. Label elements



**Signal Word:** Warning

#### **Hazard Statements:**

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation

*Contains Struvite; Ammonium magnesium orthophosphate*

#### **Precautionary Statements:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P312 - Call a POISON CENTER or doctor if you feel unwell  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name	EC-No.	CAS No	Weight %	Classification according Regulation (EC) 1272/2008 [CLP]	REACH registration number
Struvite; Ammonium magnesium orthophosphate	-	7785-21-9	10 - 25%	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	01-2119983188-23
Calcium sulfate anhydrous; CaSO <sub>4</sub>	231-900-3	7778-18-9	10 - 25%	Not classified	01-2119444918-26
Sulphur; S	231-722-6	7704-34-9	1 - 5%	Skin Irrit. 2 (H315)	01-2119487295-27
Wax	601-216-3	112945-52-5	0.1 - 1%	Not classified	01-2119488076-30

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

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**General Advice:**

First aid measures should be executed by trained personnel only.

**Inhalation**

If not breathing, give artificial respiration. If symptoms persist, call a physician. If fumes from reactions are inhaled, move to fresh air immediately.

**Skin Contact:**

If skin irritation persists, call a physician.

**Eye Contact:**

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Ingestion:**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

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

None under normal processing

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

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.

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

Use extinguishing agent suitable for type of surrounding fire. In the event of fire and/or explosion do not breathe fumes. 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:**

Ensure adequate ventilation. Wear personal protective equipment. Evacuate personnel to safe areas.

**For Emergency Responders:**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Do not allow material to contaminate ground water system.

**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:* Take up mechanically and collect in suitable container for disposal.

**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 container tightly closed in a dry and well-ventilated place. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used packaging should be closed well. Keep away from flammable material. Store in original container. Store in a closed container.

Packaging Materials:

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

Specific use(s)

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

Exposure scenario

Mixture. Not required.

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

**8.1. Control parameters**

<i>Calcium sulfate anhydrous; CaSO<sub>4</sub></i>	
Austria	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Australia	10 mg/m <sup>3</sup> TWA inhalable dust
Belgium - 8 Hr TWA	10 mg/m <sup>3</sup> TWA
Bulgaria - OEL - TWAs	10.0 mg/m <sup>3</sup> TWA
FR - OEL - 8h VMEs	TWA: 10 mg/m <sup>3</sup>
Hungary - OEL - TWAs	6 mg/m <sup>3</sup> TWA
Ireland	TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>
Latvia - OEL - TWAs	4 mg/m <sup>3</sup> TWA (hydrogenated, plaster dust)
Malaysia	10 mg/m <sup>3</sup> TWA (particulate matter containing no Asbestos and <1% crystalline Silica)
Poland	TWA: 10 mg/m <sup>3</sup>
Portugal	TWA: 10 mg/m <sup>3</sup>
Slovenia - OEL - TWAs	6 mg/m <sup>3</sup> TWA (respirable fraction)
Spain - Valores Limite Ambientales - VLE	TWA: 10 mg/m <sup>3</sup>
Singapore - OEL:PELs	10 mg/m <sup>3</sup> PEL
Switzerland	TWA: 3 mg/m <sup>3</sup>
<i>Sulphur; S</i>	
Latvia - OEL - TWAs	6 mg/m <sup>3</sup> TWA
Russia TWA	6 mg/m <sup>3</sup> TWA 1863
<i>Wax</i>	
Austria	TWA: 4 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)**

**Predicted No Effect Concentration (PNEC)**

No data available

## 8.2. Exposure controls

### Personal protective equipment

#### **Eye/Face Protection**

Wear eye/face protection

#### **Hand protection**

Gloves. Nitrile rubber (0.26 mm). Break through time. > 8 h.

#### **Respiratory Protection**

Not required; except in case of aerosol formation. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit

#### **Skin and body protection:**

Lightweight protective clothing

#### **Hygiene Measures:**

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical State:</b>	Solid
<b>Appearance:</b>	Granules
<b>Color:</b>	white, grey, orange.
<b>Odor:</b>	None
<b>Bulk density:</b>	982 kg/m <sup>3</sup>
<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>	Not flammable
<b>Vapor Pressure:</b>	Solid. Not applicable.
<b>Vapour density</b>	Solid. Not applicable.
<b>Relative density</b>	No data available
<b>Water Solubility:</b>	No data available
<b>Solubility(ies)</b>	No data available
<b>Partition Coefficient:</b>	Solid. Not applicable.
<b>Autoignition Temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard.
<b>9.2. Other information</b>	
<b>VOC Content (%):</b>	Solid. Not applicable.

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

### 10.6. 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 toxicological effects

**Product Information**

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

**Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):**

**Inhalation** Inhalation of dust in high concentration may cause irritation of respiratory system.  
**Eye contact** May cause slight irritation.  
**Skin Contact** Causes skin irritation.  
**Ingestion** May cause gastrointestinal discomfort if consumed in large amounts.

**Information on Toxicological Effects**

None known

**Acute Toxicity**

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium sulfate anhydrous; CaSO <sub>4</sub>	> 3000 mg/kg ( Rat )		
Sulphur; S	> 3000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 9.23 mg/L ( Rat ) 4 h
Wax	= 3160 mg/kg ( Rat )		

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

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

**Serious eye damage/eye irritation** Classification based on individual ingredients of the mixture.  
**Respiratory or skin sensitization** Classification based on individual ingredients of the mixture.  
**Germ Cell Mutagenicity** Classification based on individual ingredients of the mixture.  
**Carcinogenicity** Classification based on individual ingredients of the mixture.  
**Reproductive Toxicity** Classification based on individual ingredients of the mixture.  
**STOT - Single Exposure** Classification based on individual ingredients of the mixture.  
**STOT - Repeated Exposure** Classification based on individual ingredients of the mixture.  
**Aspiration Hazard** Classification based on individual ingredients of the mixture.

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecotoxicity**

Should not be released into the environment

**Unknown Aquatic Toxicity**

19.1% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Calcium sulfate anhydrous; CaSO <sub>4</sub>	-	2980: 96 h Lepomis macrochirus mg/L LC50 static 1970: 96 h Pimephales promelas mg/L LC50 static	-	3200: 120 h Nitscheria linearis mg/L EC50
Sulphur; S	-	866: 96 h Brachydanio	-	-

		rerio mg/L LC50 static 14: 96 h Lepomis macrochirus mg/L LC50 static 180: 96 h Oncorhynchus mykiss mg/L LC50 static		
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**12.2. Persistence and degradability**  
Persistence and Degradability:

No persistent or cumulative effects were observed.

**12.3. Bioaccumulative potential**  
Bioaccumulation:

Does not bioaccumulate.

**12.4. Mobility in soil**

No data available.

**12.5. PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. 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.

**Other Information**

Use up product completely. Packaging material is industrial waste.

**Section 14: TRANSPORT INFORMATION**

**IMO / IMDG**

**14.1**

**UN-No:**

Not regulated

**14.2**

**Proper shipping name:**

Not regulated

**14.3**

**Hazard Class:**

Not regulated

**14.4**

**Packing group:**

Not regulated

**14.5**

**Marine Pollutant:**

No information available

**14.6**

**Special Provisions**

None

**14.7**

**Bulk transport according Annex II of MARPOL and IBC Code** No data available

**ADR/RID**

**14.1**

**UN-No:**

Not regulated

**14.2**

**Proper shipping name:**

Not regulated

**14.3**

**Hazard Class:**

Not regulated

**14.4**

**Packing group:**

Not regulated

**14.5**

**Environmental Hazard**

Not regulated

**14.6**

**Special Provisions**

None

**IATA**

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

**Section 15: REGULATORY INFORMATION**

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

**Belgium**

**Denmark**

Denmark No data available

**France**

ICPE No data available

**Germany**

LGK (Germany) No data available

Component	German WGK Section
Calcium sulfate anhydrous; CaSO <sub>4</sub> 7778-18-9 ( 10 - 25% )	class 1
Sulphur; S 7704-34-9 ( 1 - 5% )	class 1
Wax 112945-52-5 ( 0.1 - 1% )	3

**15.2 Chemical safety assessment**

Substance(s) usage is covered according to Reach regulation 1907/2006

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

**Section 16: OTHER INFORMATION**

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

- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation

**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 phrase: CLP (EU) specific hazard statement

LD50: Lethal dose, 50%.

LC50: Lethal concentration, 50%.

SVHC: Substance of Very High Concern.

**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. 2015/830. Regulation (EC) No 1272/2008 (CLP).

**Prepared by**

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

**Issue Date**

28-Feb-2019

**Restrictions on use**

Restricted to professional users

**Reason for revision**

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

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