

MATERIAL SAFETY DATA SHEET

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

Print Date: 03-Jul-2013

Revision Number: 2

Revision Date: 26-Jun-2013

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the substance or preparation

MSDS Ref. No.: 4137.01.25
Product Name: Proturf 12-5-20+2CaO+2MgO

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Fertilizer. Restricted to professional users.

Uses advised against

Consumer use.

Company/undertaking identification

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

Emergency telephone number:

+44 1235 239 670 (24h)

Email

INFO-MSDS@EVERRIS.com

2. Hazards Identification

Classification

Indication of danger:

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

R-phrases

None

3. Composition/information on Ingredients

Chemical nature of the preparation

| Ingredients | CAS-No | Weight % | EC-No. | Classification | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|-------------|--------|----------|--------|----------------|---|---------------------------|
| | | | | | | |

| | | | | | | |
|--|------------|----------|-----------|--------|----------------------|-------------------|
| Calcium sulphate dihydrate, CaSO ₄ +2H ₂ O | 10101-41-4 | 10 - 25% | 231-900-3 | NE | no data available | 01-2119444918-26 |
| Sulphur, S | 7704-34-9 | 1 - 5% | 231-722-6 | Xi;R38 | Skin Irrit. 2 (H315) | no data available |

NE = Non-Established.

For the full text of the R phrases mentioned in this Section, see Section 16

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

4. First aid measures

4.1. Description of first aid measures

- General advice:** If you feel unwell, seek medical advice (show the label where possible).
- Ingestion:** Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. In case of respiratory difficulties practice oxygenotherapy. Possible symptoms are nausea and/or vomiting.
- Inhalation:** In case of shortness of breath, give oxygen. Possible symptoms are coughing and/or dyspnoea. Move to fresh air. If symptoms persist, call a physician.
- Skin contact:** If a person feels unwell or symptoms of skin irritation appear, consult a physician.
- Eye contact:** Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
- Protection of first-aiders:** Low hazard for usual industrial or commercial handling.
- Notes to physician:** Artificial respiration and/or oxygen may be necessary.

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

5. Fire-fighting measures

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.

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Thermal decomposition can lead to release of irritating gases and vapours. Danger of toxic gases in smoke in case of fire.***

Special protective equipment for firefighters:

In the event of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus for fire fighting if necessary. Evacuate area and fight fire from a safe distance.

6. Accidental release measures

Personal Precautions:

Avoid dust formation. Ensure adequate ventilation.

Environmental Precautions:

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

Methods for cleaning up:

Shovel or sweep up. Use up product completely. Packaging material is industrial waste.

7. Handling and Storage

Handling:**Technical measures/precautions:**

No special technical protective measures required.

Safe handling advice:

Keep away from open flames, hot surfaces and sources of ignition.

Storage:**Technical measures/storage conditions:**

Keep away from heat and sources of ignition. 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.

Incompatible products:

not applicable

Specific use(s):

Fertilizer.

LGK (Germany)

13 (S)

8. Exposure Controls/Personal Protection

Engineering measures to reduce exposure:

Ensure adequate ventilation.

Occupational exposure controls**Personal Protective Equipment****Respiratory Protection:**

No personal respiratory protective equipment normally required.

Hand protection:

PVC or other plastic material gloves.

Eye/face Protection

Tightly fitting safety goggles.

Skin and body protection:

Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Hygiene measures

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

Exposure Limit Values

Calcium sulphate dihydrate, CaSO₄+2H₂O

ACGIH:

10 mg/m³ TWA

Portugal - TWAs

10 mg/m³ TWA

UK EH40 WEL:

10 mg/m³ TWA (Inhalable)4 mg/m³ TWA (Respirable)

Sulphur, S

France INRS (VME)

VME (poussières) = 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

| | |
|-----------------------|--------------------------|
| Physical state | Solid |
| Appearance: | granulate |
| Color: | orange, white, grey, red |
| Odor: | Not significant |

Important Health Safety and Environmental Information

| | |
|-----------------------------------|--|
| Melting point/range: | No information available |
| Solubility: | Coating not soluble, release nutrients through coating |
| Vapour pressure | No information available |
| Vapour density | No information available |
| Explosive properties: | Doesn't present explosion hazard |
| Flammability (solid, gas): | Non-flammable |

OTHER INFORMATION

| | |
|----------------------|-------------------------------|
| pH: | No information available |
| Bulk density: | 1000 - 1100 kg/m ³ |
| Viscosity | not applicable |

10. Stability and Reactivity

| | |
|---|--|
| Chemical stability | Stable under recommended storage conditions |
| Conditions to Avoid | Keep away from open flames, hot surfaces and sources of ignition. |
| Incompatible Materials | Strong oxidizing agents. Acids and bases. Strong reducing agents. Flammable materials. |
| Hazardous Decomposition Products | No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapours. Burning produces obnoxious and toxic fumes.*** |
| Hazardous reactions | The product itself does not burn. |

11. Toxicological Information

Component Information

Calcium sulphate dihydrate, CaSO₄+2H₂OLD₅₀/oral/rat = N.E.

Sulphur, S

LD₅₀/oral/rat = > 2000 mg/kgLD₅₀/dermal/rat = > 2000 mg/kgLC₅₀/inhalation/4h/rat = > 5.4 mg/l

Other information on acute toxicity:

No information available

Product Information

Local effects

| | |
|----------------------|---|
| Skin effects: | May cause skin irritation in susceptible persons. |
| Eye effects: | Contact with eyes may cause irritation. |
| Inhalation | May cause sensitization by inhalation. |
| Ingestion: | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Component

Calcium sulphate dihydrate, CaSO₄+2H₂O
10101-41-4 (10 - 25%)

Exclude this non-hazardous chemical from toxicity and ecotoxicity calculations for LD/LC/EC50

1

12. Ecological Information

Product Information

| | |
|---------------------------------------|--|
| Aquatic toxicity: | No ecological information is known on the product. |
| Persistence and degradability | No persistent or cumulative effects were observed |
| Bioaccumulative potential | Does not bioaccumulate |
| Mobility in soil | No information available |
| Water Endangering Class (WGK): | 1 (Everris classification) |

Component Information

Calcium sulphate dihydrate, CaSO₄+2H₂O

Ecotoxicity effects

No information available

Sulphur, S

Ecotoxicity effects

No information available

13. Disposal Considerations

| | |
|--------------------------------|--|
| Waste Disposal Methods: | Dispose of in accordance with local regulations.*** |
| Contaminated packaging: | Empty containers can be landfilled, when in compliance with the local regulations. |

14. Transport Information

Product Information

| | |
|------------------------------|------------------------------|
| Physical state: | solid |
| ADR/RID UN-No: | Not classified for transport |
| IATA UN-No: | Not classified for transport |
| IMO / IMDG UN-No: | Not classified for transport |

15. Regulatory information

Indication of danger:

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

In accordance with local and national regulations**ICPE (FR):**

Not Applicable

Water Endangering Class (WGK):

1 (Everris classification)

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R38 - Irritating to skin

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

H315 - Causes skin irritation

Reason for revision:

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

Revision Date:

26-Jun-2013

Prepared by:

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

This information contained herein is, to the best of Everris' knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Everris shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Everris shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

End of Safety Data Sheet