

**SAFETY DATA SHEET** according to UN-GHS  
**TERRACOTTEM® TURF**Print date: 3/11/2021  
Revision date: 1/11/2021**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND NAME OF THE COMPANY / UNDERTAKING****1.1. Product identifier**

TerraCottem® Turf

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

Recommended use: soil conditioner

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

StrataGreen

Tel. 1300 866 367

PO Box 3024

Lesmurdie

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WA 6076

Web-site [www.terracottem.com](http://www.terracottem.com)**Emergency number: 1300 866 367****2. HAZARD IDENTIFICATION****2.1. GHS-Classification as per UN-GHS**

Not applicable.

**2.2. Label elements as per UN-GHS**

Not applicable.

**2.3. Other hazards**Spilled product in contact with water or moisture causes surfaces to become extremely slippery.  
Keep out of reach of children.**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Mixture**

Mixture with a base of natural zeolite minerals, PAA/PAM superabsorbent polymers, humic acids, NPK-fertiliser with magnesium and root activators.

**3.2. Hazardous ingredients as per UN-GHS**

Component	CAS-n°	Content	Hazard class/hazard category
Potassium polyacrylate cross-linked	25608-12-2	>= 31 %=<	Not applicable.
Ammonium nitrate	6484-52-2	< 5 %	R 8 – R 9 (see section 16).

**4. FIRST AID MEASURES****4.1. Description of first aid measures**

- |        |               |   |
|--------|---------------|---|
| 4.1.1. | Skin contact: | Wash with water and soap.                             |
| 4.1.2. | Eye contact:  | Rinse with much water for a prolonged time.           |
| 4.1.3. | Inhalation:   | Breathe fresh air.                                    |
| 4.1.4. | Ingestion:    | If ill effects occur seek medical advice immediately. |

**SAFETY DATA SHEET** according to UN-GHS  
**TERRACOTTEM® TURF**Print date: 02/12/2016  
Revision date: 29/11/2016**4.2. Most important symptoms and effects, both acute and delayed**

None known.

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

In case of swallowing: drink plenty of water.

**5. FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

Suitable extinguishing media: Water jet, carbon dioxide, foam, dry extinguishing agents.

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

In case of fire carbon monoxide, carbon dioxide.

**5.3. Advice for firefighters**

No special requirements.

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

Spilled product in contact with water makes surfaces extremely slippery.

**6.2. Environmental precautions**

Collect and flush small residuals with much water into the drain for subsequent biological waste effluent treatment.

**6.3. Methods and material for containment and cleaning up**

Sweep up and shovel. Clean thoroughly. Repeat procedure if necessary.

**6.4. Reference to other sections**

For personal protection see section 8.

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

Safe handling advice:

Use respiratory protection when exceeding limit (see chapter 8) and dust is formed. Ensure sufficient workplace ventilation.

Advice on protection against fire and explosion:

Take measures against electrostatic charge. The product itself is not explosive. However, fine dust may form explosive mixtures in air. Avoid the production of dust.

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

Requirements for storage areas and containers:

Store in a dry place.

Average temperature for loose bulk storage over 3m<sup>3</sup> must not exceed 50°C.**7.3. Specific end use(s)**

No specific end use required.

**SAFETY DATA SHEET** according to UN-GHS  
**TERRACOTTEM® TURF**Print date: 02/12/2016  
Revision date: 29/11/2016**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Components or products of decomposition according to point 10, with limit values related to the place of work that require monitoring:**Potassium polyacrylate, cross-linked 25608-12-2                      MAK (DFG)                      0.05 mg/m<sup>3</sup>  
Alveolar fraction - Cat. 4.

C – No risk of embryotoxic effects if TLV and BTV limits are complied with.

**8.2. Exposure controls**

Hygiene measures:	Obey reasonable safety precautions and practice good housekeeping.
Respiratory protection:	Use respiratory protection when exceeding limit (see chapter 8) and dust is formed. Ensure sufficient workplace ventilation.
Hand protection:	Does not apply.
Eye protection:	Use protective goggles.

**9. PHYSICAL AND CHEMICAL CHARACTERISTICS****9.1. Information on basic physical and chemical properties**

9.1.1. Form:	Mixture of granules and powders.
9.1.2. Colour:	White, brown, black, beige and grey mixture.
9.1.3. Odour:	Odourless.
9.1.4. Bulk density:	+/- 700 kg/m <sup>3</sup> .
9.1.5. Melting point:	Not applicable.
9.1.6. Boiling point:	Not applicable.
9.1.7. Flash point:	Not applicable.
9.1.8. Ignition temperature:	Not determined.
9.1.9. Upper explosion limit:	Not applicable.
9.1.10. Vapour pressure at 20°C:	< 20 hPa.
9.1.11. Water solubility at 20°C:	Partly soluble.
9.1.12. Dynamic viscosity at 20°C:	Not applicable.
9.1.13. pH at 1,0 g/l:	~7

**9.2. Other information**

None.

**10. STABILITY AND REACTIVITY****10.1. Reactivity**

See section 10.2.

**10.2. Chemical Stability**

Stable under usual application conditions.

**10.3. Possibility of hazardous reactions**

None known.

**SAFETY DATA SHEET** according to UN-GHS  
**TERRACOTTEM® TURF**

 Print date: 02/12/2016  
 Revision date: 29/11/2016

**10.4. Thermal decomposition**

Decomposition above 200 °C.

**10.5. Incompatible materials**

No known incompatibility with other materials.

**10.6. Hazardous decomposition products**

None known.

**11. TOXICOLOGICAL INFORMATION**
**11.1. Information on toxicological effects**

11.1.1. Acute oral toxicity:	LD50 rat - Dose > 5000 mg/kg - Limit test.
11.1.2. Acute dermal toxicity:	LD50 rat - Dose > 2000 mg/kg - Limit test.
11.1.3. Skin irritation:	Rabbit - Method OECD n° 404 - Not irritating to the skin.
11.1.4. Eye irritation:	Rabbit - Method OECD n° 405 – Very slight eye irritation.
11.1.5. Sensitization:	Guinea pig - Method OECD n° 406 - No sensitization.
11.1.6. Aspiration hazard:	Not applicable.
11.1.7. Mutagenicity assessment:	Non mutagenic – Ames test – not mutagenic in in vivo and in vitro tests.
11.1.8. Reprotoxicity/teratogenicity:	No evidence for hazardous properties.

**12. ECOLOGICAL INFORMATION**
**12.1. Toxicity**

12.1.1. Ciliate toxicity:	Tetrahymena pyriformis EC50 > 6000 mg/l - Exposure time 24 h.
12.1.2. Bacterial toxicity:	Ps. Putida EC50 > 6000 mg/l - Exposure time 24 h - Method DEV L8.
12.1.3. Fish toxicity:	Leuciscus idus LC50 > 5500 mg/l - Exposure time 96 h - Method OECD n° 203.
12.1.4. Fish toxicity:	Brachydanio rerio LC50 > 4000 mg/l - Exposure time 96 h - Method OECD n° 203.
12.1.5. Toxicity in living organisms:	Eisenia foetida – Acute earthworm toxicity LC50 > 20000 mg/kg – Exposure time 14 days – Method OECD n° 207.

**12.2. Persistence and degradability**

Biodegradability: Not rapidly degradable under aerobic conditions.

**12.3. Bioaccumulative potential**

Bioaccumulation: Does not accumulate in living organisms.

**12.4. Mobility in soil**

Mobility: No evidence for hazardous properties.

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

PBT and vPvB assessment: PBT: none – vPvB: none.

**12.6. Other adverse effects**

General information: None known.

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**13. INFORMATION CONCERNING DISPOSAL**
**13.1. Waste treatment methods**

Product:	Disposal according to local legal regulations.
Elimination:	Incineration according to local legal regulations.
Uncleaned packaging:	Undamaged packaging may be responsibly reused after proper cleaning.

**14. INFORMATION CONCERNING TRANSPORT**
**14.1. UN number** See section 14.2.

**14.2. UN proper shipping name**

Land transport:	ADR / RID - Not dangerous goods according to transportation regulations.
Sea transport:	IMPG - Not dangerous goods according to transportation regulations.
Air transport:	ICAO / IATA - Not dangerous goods.

**14.3. Transport hazard class**

See section 14.2.

**14.4. Packing group**

See section 14.2.

**14.5. Environmental hazards**

See section 14.2.

**14.6. Special precautions for user**

See section 14.2.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

For transport approval see regulatory information.

**15. REGULATORY INFORMATION**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture. Labelling according to EEC Directive 67/548/EC or Directive 1999/45/EC:**

Danger symbol and designation:	No labelling duty according to the EC-Hazardous Materials regulations.
R-phrases:	None.
S-Phrases:	None.

**National legislation / regulations:**

Particular labelling of certain preparations:	None.
Employment limitations:	None.
Interference regulations:	None.
Technical Regulations Air:	None.
Water pollution class:	WGK 1 - slightly water polluting preparation.
Other regulations, limitations and prohibition regulations	None.

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## **16. OTHER INFORMATION**

### **16.1. Relevant R-phrases**

For section 3.1

R 8: Contact with combustible material may cause fire.  
R 9: Explosive when mixed with combustible material.

### **16.2. Residual monomers**

Residual monomers:

Acrylamide < 20 PPM - Acrylic acid < 250 PPM.

### **16.3. Further information**

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