

**MATERIAL SAFETY DATA SHEET** according to EC directive 93/112/EC  
**TERRACOTTEM® COMPLEMENT**



**TERRACOTTEM®**

Revision date: 27/10/2009

Print date: 08/03/2010

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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY NAME**

1.1. Product name:	TerraCottem® Complement	
Type of product:	Physical soil conditioner	
1.2. Company:	TerraCottem N.V.	Tel. (32)9/338.57.57
	Boelaekendreef 25 A	Fax (32)9/388.65.43
	9870 Zulte	e-mail <a href="mailto:info@terracottem.be">info@terracottem.be</a>
	Belgium	Web-site <a href="http://www.terracottem.com">www.terracottem.com</a>

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Volcanic pyroclastic rock enriched with NPK fertiliser with trace elements and hydroabsorbent copolymers

**3. HAZARDS IDENTIFICATION**

Spilled product in contact with water or moisture causes surfaces to become extremely slippery.  
Keep out of reach of children.

**4. FIRST AID MEASURES**

4.1. Skin contact:	Wash with water and soap.
4.2. Eye contact:	Rinse with abundant water for a prolonged time.
4.3. Inhalation:	Breathe fresh air.
4.4. Ingestion:	If ill effects occur seek medical advice immediately.

**5. FIRE-FIGHTING MEASURES**

5.1. Fire-fighting procedure:	No special requirements.
5.2. Specific hazards:	In case of fire carbon monoxide and nitrogen oxide are released.
5.3. Special protective equipment:	No special requirements.
5.4. Suitable extinguishing media:	Water mist, foam, carbon dioxide, dry powder.

**6. ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions:	Spilled product in contact with water makes surfaces extremely slippery.
6.2. Cleaning procedure:	Sweep up or Hoover for recuperation or disposal.
6.3. Disposal procedure:	Never dispose in sink or sewer. In contact with water, blockage may occur.

**7. HANDLING AND STORAGE**

7.1 Safe handling advice:	Use respiratory protection when dust is formed. Ensure sufficient workplace ventilation.
7.2. Requirements for storage:	Store in a dry area and avoid contact with water or moisture. Avoid direct contact with sunlight.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

8.1. Components with limited professional exposure:	Limit value for dust on the workplace = 10 mg/m <sup>3</sup> . Base : TRGS 900
8.2. Personal protection equipment:	
Respiratory protection:	Use respiratory protection when dust is formed.
Hand protection:	Does not apply.
Eye protection:	Use protective goggles.
Hygiene measures:	Follow reasonable safety precautions and practise good housekeeping.

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**9. PHYSICAL AND CHEMICAL CHARACTERISTICS**

9.1. Form:	Mixture of granules and powders.
9.2. Colour:	White, brown, blue, beige and grey mixture.
9.3. Odour:	Odourless.
9.4. Bulk density:	+/- 900 kg/m <sup>3</sup> .
9.5. Fusing temperature:	Not applicable.
9.6. Boiling point:	Not applicable.
9.7. Flashpoint:	Not applicable.
9.8. Ignition temperature:	> 121 °C
9.9. Upper explosion limit:	Not applicable.
9.10. Vapour pressure at 20°C:	< 20 hPa
9.11. Water solubility at 20°C:	Essentially insoluble.
9.12. Dynamic viscosity at 20°C:	Not applicable.
9.13. pH at 1.0 g/l:	~7

**10. STABILITY AND REACTIVITY**

10.1. Stability:	Stable in usual conditions.
10.2. Compatibility:	No other materials to avoid.
10.3. Thermal decomposition:	> 200°C
10.4. Spontaneous polymerisation:	No risk.

**11. TOXICOLOGICAL INFORMATION**

11.1. Acute oral toxicity:	LD50 rat - Dose > 5000 mg/kg - Limit test.
11.2. Acute dermal toxicity:	LD50 rat - Dose > 2000 mg/kg - Limit test.
11.3. Skin irritation:	Rabbit - Method OECD n° 404 - Not irritating to the skin.
11.3. Eye irritation:	Rabbit - Method OECD n° 405 - Not irritating.
11.4. Sensitization:	Guinea pig - Method OECD n° 406 - No sensitization.

**12. ECOLOGICAL INFORMATION**

12.1. Ciliate toxicity:	Tetrahymena pyriformis - EC50 > 6000 mg/l - 24 h exposure
12.2. Bacterial toxicity:	Ps. Putida - EC50 > 8000 mg/l - Exposure time 24 h - Method DEV L8
12.3. Fish toxicity:	Leuciscus idus. LC50 ~ 3600 mg/l - Exposure time 96 h - Method OECD n° 203
12.4. Fish toxicity:	Brachydanio rerio. LC50 ~ 5000 mg/l - Exposure time 96 h - Method OECD n° 203

**13. DISPOSAL**

Dispose of in accordance with all local regulations.

**14. TRANSPORT**

Land transport:	ADR / RID - Not dangerous goods.
Sea transport:	IMDG - Not dangerous goods.
Air transport:	ICAO / IATA - Not dangerous goods.

**15. REGULATORY INFORMATION**

Labelling according to EEC	Directive: Not subject to compulsory marking.
National legislation / regulations:	
Water contaminating class:	1 (slightly hazardous to water)
TA Luft (Germany):	Not applicable.
Other regulations:	TSCA registered.

**16. OTHER INFORMATION**

Residual monomers:	Acrylamide < 4 PPM - Acrylic acid < 50 PPM
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**Read all labels carefully before using this product.**