

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



TERRACOTTEM®

Revision date: 27/10/2009
Print date: 05/03/2010
Page 1 of 2

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

1.1. Product name:	TerraCottem® Universal	
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 info@terracottem.be
	Belgium	Web-site www.terracottem.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture with a base of volcanic pyroclastic rock, hydroabsorbent copolymers and NPK fertilisers with trace elements

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 ³ . 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.

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



TERRACOTTEM®

Revision date: 27/10/2009
Print date: 05/03/2010
Page 2 of 2

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:	+/- 800 kg/m ³ .
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 < 20 PPM - Acrylic acid < 250 PPM
--------------------	--

Please read all labels carefully before using this product.