



**Geoplast S.p.A.**  
Via Martiri della Libertà, 6/8  
35010 Grantorto ( PD) Italy  
Tel. +39 049 9490289  
Fax. +39 049 9494028  
e.mail. [geoplast@geoplast.it](mailto:geoplast@geoplast.it)  
[www.geoplast.it](http://www.geoplast.it)

# MATERIAL SAFETY DATA SHEET

## DEFENDER

### 1. SECTION:

CHEMICAL NAME AND SYNONYMS: N/A  
CHEMICAL FAMILY: N/A  
TRADE NAME AND SYNONYMS: Defender- Basement and retain walls protection.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. No	%
Polypropylene Random	9010-79-1	97-99
Pre consumer		(68-70)
Post consumer		(24-25)
Recycled Production scrap		(5)
Additives	Not available	1-3

### 3. SECTION – HAZARDOUS INGREDIENTS:

This product does not meet the definition of a hazardous material given in CEE 1999/45 and subsequent amendments. Information furnished as a customer service.

Physical State and Appearance: Solid

Emergency Overview: Irritating vapours to respiratory system and eyes may form when polymer is processed at high temperatures.

### 4. FIRST-AID MEASURES

Inhalation: On inhalation of decomposition products: Keep patient calm, remove to fresh air, summon medical help.

Skin Contact: Areas affected by molten material should be quickly placed under running water, seek medical attention.

Eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Eye contact with the pellets does not present any extraordinary hazard except for the possibility of abrasive injury. Fines, if any, may be irritating to the eye.

Ingestion: No special measures necessary.

### 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water, dry extinguishing media, foam.

Unsuitable Extinguishing Media: None

The following can be given off in a fire: Carbon dioxide (CO<sup>2</sup>) and steam. In addition small quantities of the following substances can be formed: carbon monoxide, monomers, other degradation products.

Special Protective Equipment: In case of a fire, wear a self contained breathing apparatus.

Further Information: Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

### 6. ACCIDENTAL RELEASE MEASURES

Not classified as a Dangerous Good.

Recycle, incinerate or landfill as per local, state and federal/national regulations.

*Information presented herein has been compiled from sources considered to be dependable and current, and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of this product, and to adopt such proper safety precautions as may be necessary to provide adequate worker and plant protection.*



**Geoplast S.p.A.**  
Via Martiri della Libertà, 6/8  
35010 Grantorto ( PD) Italy  
Tel. +39 049 9490289  
Fax. +39 049 9494028  
e.mail. [geoplast@geoplast.it](mailto:geoplast@geoplast.it)  
[www.geoplast.it](http://www.geoplast.it)

## MATERIAL SAFETY DATA SHEET

### DEFENDER

#### 7. HANDLING AND STORAGE

When the product is ground (chopped), dust explosion regulations should be noted.  
Keep in a dry place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Respiratory protection: If breathable duct is formed filter P1 (for solid particles) (DIN 3181)

Skin protection: Not classified as a dangerous good

Eye protection: Safety glasses with free flowing particles.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Modular – Rectangular tray

Colour: dark grey or black or other depending on shade

Odour: Faint specific odour

Change in Physical State:

Melting Temperature: Over 140°C

Ignition temperature: Over 400°C

Fire Promoting Properties: None

Density: about 0.91-0.97 kg/dm<sup>3</sup> (water = 1)

Solubility in Water: Insoluble

Solubility in other Solvents: Soluble in aromatic solvents

#### 10. STABILITY AND REACTIVITY

Conditions to Avoid: To avoid thermal decomposition, do not overheat. Starts to decompose at 300°C (approx).

Possible Thermal Degradation Products: Monomers, other degradation products.

#### 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available (due to the design no animal experiments possible). Insoluble in water.

#### 12. ECOLOGICAL INFORMATION

Elimination Information: No data available. Insoluble in water.

Behaviour and Environmental Fate: The product is environmentally friendly as manufactured with recycled plastic. Due to the consistency of the product, and its insolubility in water, it will apparently not be biodegradable.

#### 13. DISPOSAL CONSIDERATIONS

Recyclable product. Must be dumped or incinerated in accordance with local regulations.

*Information presented herein has been compiled from sources considered to be dependable and current, and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of this product, and to adopt such proper safety precautions as may be necessary to provide adequate worker and plant protection.*



**Geoplast S.p.A.**

Via Martiri della Libertà, 6/8

35010 Grantorto ( PD) Italy

Tel. +39 049 9490289

Fax. +39 049 9494028

e.mail. [geoplast@geoplast.it](mailto:geoplast@geoplast.it)

[www.geoplast.it](http://www.geoplast.it)

MATERIAL SAFETY DATA SHEET

DEFENDER

---

**14. TRANSPORT INFORMATION**

Not classified as hazardous under transport regulations.

**15. REGULATORY INFORMATION**

Labelling according to EEC Directives: Not suitable to Labelling National legislation/regulations.

**16. OTHER INFORMATION**

None

*Information presented herein has been compiled from sources considered to be dependable and current, and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of this product, and to adopt such proper safety precautions as may be necessary to provide adequate worker and plant protection.*