

Geofirma®

Material Safety Data Sheet

Product & Company Information

Product	Geofirma Polyester Nonwoven Geotextile
Manufacturer/Supplier	Global Synthetics Pty Ltd
Address	41 Sammut Street, Smithfield, NSW 2164
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Hazards Identification

Emergency Overview: This product has been evaluated and does not require a hazard warning.

Risk Safety – Not applicable.

Potential Health Effects:

- **Eye Contact:** No significant health risks identified.
- **Skin Contact:** No significant health risks identified. Fibres may cause slight skin irritation if rubbed against the skin.
- **Inhalation:** No significant irritation no special measures necessary.
- **Ingestion:** No special measures required.

Composition and Information of ingredients

Chemical Characterisation:	Polyethylene Terephthalate	> 99%
	UV Stabilisers	0.5%
	Lubricants and Pigments	< 0.5%

First Aid Measures

- **Eye Contact:** If necessary flush with water. If irritation continues seek medical advice.
- **Skin Contact:** If irritation occurs wash skin with soap and water.
- **Inhalation:** Unlikely to have reaction. If sensitivity occurs remove person to uncontaminated area.
- **Ingestion:** No special measures necessary.

Fire Fighting Measures

Combustion Products – Carbon Monoxide, Carbon Dioxide, Hydrocarbon and other hazardous products.

Specific Hazards – Dense black smoke and toxic fumes.

Protective Fire Fighting Equipment – Self contained pressurised breathing apparatus and full protective suit.

Extinguishing Media – Dry Chemical, CO₂, Foam or Water type extinguishers.

DISCLAIMER : All information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Global Synthetics Pty Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Global Synthetics Pty Ltd have a policy of continuous development so information and product specifications may change without notice.

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Accidental Release Measures

Contain and remove by mechanical means, non hazardous.

Handling and Storage

Storage – Do not expose to petrochemicals or any flame source. Store away from direct sunlight and retain outer projective wrapper until ready for use.

Handling – Non hazardous. Usually handled by forklift due to weight of product.

Exposure Controls and Personal Protective Equipment

Eye Protection – Not normally required. Protective goggles should be provided to persons exhibiting sensitivity to the product.

Skin – Normally not required if sensitivity occurs long pants and shirts are recommended.

Inhalation – Protective measures not required but good ventilation is always a good practice. If sensitivity is displayed provide dust mask.

Exposure Limits – Non hazardous solid form.

Physical and Chemical Properties

Appearance /Odour	White Fabric /No Odour
Melting Point	255-265 deg C°
Specific Gravity	1.39
Vapor pressure	Not Applicable
Volatile Component	0%
Flash Point	No data Available
Auto Ignition	No data Available
Decomposition temperature	> 300 deg C°

Stability and Reactivity

Chemical reactivity – No issues in solid form.

Materials to avoid – Petrochemical solvents and exposure to naked flame.

Polyester will not burn easily unless exposed to intense flame source.

Hazardous Decomposition Products – none expected.

Toxicological Information

Ingestion – Ingestion unlikely to occur or have any effect
– No testing has occurred.

Inhalation – Non Hazardous in solid form.

Eye – Non Hazardous in solid form.

Skin – Non Hazardous in solid form.

Long term exposure – Chronic effects unlikely.

Ecological Information

Eco-toxicity – Unlike to have any effect on the environment very stable when placed in the soil. Persistence and degradability. Will start to degrade with exposure to UV for more than 1 month. When placed in soil has a very long life span.

Disposal Considerations

Non Hazardous waste – Dispose of in landfill as per regulations to a local government approved landfill site.

Transport Information

Land, Sea or Air – Non regulated.

Regulatory Information

This product is Non Hazardous.

Other Information

The information contained in this document is accurate to best of our knowledge. Global Synthetics does not warrant its accuracy or completeness. Final determination of the suitability of this product for the intended application is the sole responsibility of the user and the user must assume all risk associated with the application of nominated material.

No other warranties are implied or inferred by Global Synthetics with regard to the information provided in the document and the information provided can be changed without notice.

About Us

Leaders in Geosynthetics

Global Synthetics is a 100% Australian-owned company, proud to offer a complete range of high-quality geosynthetic products backed by over 200 years of combined staff experience in the industry.

We have supplied products to some of the largest recent infrastructure works in Australia. Global Synthetics provides major benefits to any geotechnical engineering project with the right products and our technical expertise.

Global Synthetics products are used in the following applications:

- Pavement Stabilisation
- Ground Improvement
- Soil Reinforcement and Retaining Structures
- Water Management
- Drainage Systems & Hydraulic Works
- Landfills
- Coastal Erosion Structures

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