

## Material Safety Datasheet for Solshield Geocomposite Venting Mat

### SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

<b>Product Material &amp; Description:</b>	Needle-punched Fibre Polypropylene Fabric / HDPE Composite bonded with assembly adhesive.
<b>Trade Name:</b>	Solshield Geocomposite Venting Mat.
<b>Manufacturer:</b>	Solco.
<b>Address:</b>	Unit 51, Portmanmoor Road Ind Est, Ocean Park, Cardiff, CF24 5HB. +
<b>Emergency Telephone Number:</b>	44 (0)845 450 9766.

### SECTION 2: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

<b>Adverse human health effects:</b>	No specific risk when handled in accordance with good occupational hygiene and safety practice. Risk of thermal burns on contact with molten product. Toxic gasses will form upon combustion (see section 10).
<b>Physical and Chemical hazards:</b>	No specific hazard under normal conditions of use.
<b>Classification/Specific hazards:</b>	According to EEC criteria, this product is not classified as a hazardous substance.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical Nature:</b>	Polypropylene homopolymer, with process stabilisers, pigments and UV stabiliser, and treated with a spin finish lubricant.
<b>CAS Number:</b>	9003-07-0.
<b>Further Information:</b>	Semi Processed polymer.

### SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	In the case of inhalation of thermal decomposition products from burning material, remove patient from exposure and obtain immediate medical attention.
<b>Skin Contact:</b>	In the case of sensitive skin being degreased by repeated handling, thorough washing and use of barrier cream in future is recommended. Where soreness persists, seek medical advice. In the event of a fire, molten product may cause thermal burns. In this case: <ul style="list-style-type: none"> <li>• Rinse with plenty of water. DO NOT remove clothing, as it may stick to the skin.</li> <li>• Call a doctor immediately.</li> </ul>
<b>Eye Contact:</b>	Not specifically applicable.
<b>Ingestion:</b>	Not specifically applicable.

### SECTION 5: FIRE-FIGHTING METHODS

<b>Suitable Extinguishing Media:</b>	All extinguishing agents can be used (water, foam, powders, carbon dioxide, sand, etc.).
<b>Not Suitable Extinguishing Media:</b>	None. If there is a fire close by, use suitable extinguishing agents.
<b>Specific Hazards:</b>	Combustible products; melts on heating. Risk of fire spreading due to the flow of liquid which is already alight. During combustion, harmful or toxic vapours are released.
<b>Specific Fire Fighting Methods:</b>	Cool the molten product.
<b>Protection of Fire-Fighters:</b>	Self contained breathing apparatus and suitable protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES / SPILLS.**

Personal Precautions:  
Environmental Precautions:  
Cleaning up method:

Not specifically applicable.  
This product does not present any particular risk to the environment.  
Not specifically applicable.

**SECTION 7: HANDLING AND STORAGE.**

Safe Handling Advice:  
Conditions for safe Storage:

Use slings where provided. Use equipment appropriate to weight and dimensions  
Store:

- Away from flames.
- Protected from bad weather conditions.
- Product can be stored outdoors in its original packaging.

**SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION.**

Hand Protection:  
Eye Protection:  
Foot Protection:  
Industrial Hygiene:

Wear heavy duty gloves to protect against abrasion or cuts.  
Where contact is likely wear safety glasses.  
Wear safety shoes when handling rolls.  
Avoid smoking and the consumption of food and drink in the workplace. Good hygiene should be followed at all times.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

Appearance:  
Form:  
Colour:  
Odour:  
pH:  
Specific Gravity:  
Melting Temperature:  
Decomposing Temperature:  
Flash Point:  
Auto-ignition Temperature:  
Oxidising Properties:  
Solubility in water:  
Solubility in organic solvents:

Solid at room temperature.  
Nonwoven Fabricbonded to HDPE cuspatated sheet.  
White / Black.  
Negligible.  
Not Applicable.  
0.9g/cm<sup>3</sup>.  
>120°C.  
>330°C.  
>250°C.  
>250°C.  
Non oxidising material according to EEC Criteria.  
Insoluble.  
Insoluble in common organic solvents.

**SECTION 10: STABILITY AND REACTIVITY.**

Stability / Conditions to avoid:  
Hazardous Decomposition:

Stable under normal conditions. Keep away from excessive heat, do not expose to naked flame. No dangerous reactions known under normal conditions of use.  
Combustion or thermal decomposition (pyrolysis) releases toxic gases (Carbon Monoxide, Carbon Dioxide, low molecular weight alcohols/alehydes and acids).

## SECTION 11: TOXICOLOGICAL INFORMATION.

Polypropylene is a relatively inert polymer and adverse effects are not to be expected. The product contains small percentages of additives and stabilisers, which themselves are only moderately toxic with oral LD50 values above 900mg/kg of body weight. These additives are diluted and encapsulated during the fibre manufacturing process and do not present any hazard in the final fabric.

Therefore:

Inhalation:	Unlikely to be hazardous unless heated to decomposition temperature. Combustion products may be irritant.
Skin Contact:	Sensitive skins may be degreased by repeated handling.
Eye Contact:	May cause physical abrasion when in direct contact with eyes.
Ingestion:	Highly unlikely in normal use.
Long term exposure:	Chronic effects unlikely.

## SECTION 12: ECOLOGICAL INFORMATION.

Persistence and Durability:	Will oxidise extremely slowly.
Destination of the Product:	Product generally persists in the soil. Ultimate destination of the product: SOIL.

## SECTION 13: DISPOSAL CONSIDERATIONS.

Destruction/Disposal (Waste from Residues):	Recycle waste product as much as possible. Non recycled product: <ul style="list-style-type: none"> <li>• Dispose of in accordance with relevant local regulations.</li> <li>• May be disposed of with non-hazardous industrial waste.</li> <li>• Incinerate at a licensed installation.</li> <li>• Like many other lubricants and adhesives, textile oils generally dissolve in aqueous media.</li> </ul>
Decontamination/Cleaning:	Not applicable.
Destruction/Disposal (Contaminated Packaging):	Depending on local facilities, recycle the packaging or incinerate it at an approved site.
NOTE:	The user's attention is drawn to the possible existence of local regulations regarding disposal.

## SECTION 14: TRANSPORT INFORMATION.

### INTERNATIONAL REGULATIONS

Land:	NOT restricted.
Rail/Road (RID/ADR):	NOT restricted.
Sea (IMO/IMDG):	NOT restricted.
Air (ICAE/IATA):	The above regulatory prescriptions are those valid on the date of publication of this sheet.
NOTE:	

## SECTION 15: REGULATORY INFORMATION.

EEC Number:	N/A.
Full address:	Solco, Unit 51 Portmanmoor Road Industrial Estate, Ocean Park, Cardiff, CF24 5HB
Full telephone number:	+44 (0)845 450 9766.
Relevant EEC regulations:	N/A.
Relevant UK regulations:	N/A.
General Information:	According to the EEC Directives, the product does not require classification and labelling.
NOTE:	The regulatory information given above only indicates the principle regulations specifically applicable to the product described in this safety data sheet. The users attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## SECTION 16: ANY OTHER HEALTH AND SAFETY INFORMATION.

Training:	All operatives using this material must receive proper training with regard to the health and safety aspects relating to it.
Recommended uses and restrictions:	Use only in conjunction with appropriate industrial practice.
Sources of information used to compile MSDS:	Various, further information available by special request.

## SECTION 17: HISTORY.

Issue Number:	2.
Date:	12 <sup>th</sup> Feb 20.

**NOTE:** The data contained in this Material Safety Data Sheet has been prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who is capable of acting on the information.

This information is given in good faith, being based on the latest knowledge available to Solco Building Products Ltd. No known relevant information has been omitted from this data sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this data sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Solco Building Products for further advice before the proposed application is undertaken.