

## Material Safety Datasheet for Solshield Gas Barriers

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

<b>Product Material &amp; Description:</b>	The material is manufactured from a blend of thermoplastics and thermoplastic elastomers, together with inert fillers.
<b>Trade Name:</b>	Solshield Radon Barrier, Solshield Reinforced Barrier, Solshield Ultra, Solshield Flexible Hydrocarbon Barrier, Solshield GP Titanbond, Solshield GP Titanflex, Solco Protection Fleece.
<b>Chemical Name &amp; Synonyms:</b>	None.
<b>Chemical Family:</b>	Polyolefin.
<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>Inhalation:</b>	Non hazardous to health in normal use.
<b>Skin Contact:</b>	As above. Wash hands after use.
<b>Eye Contact:</b>	As above. Avoid contact with eyes.
<b>Specific Hazards:</b>	If burning, melted product adheres to skin and causes burns. During freezing weather conditions, the surface of the membrane may become slippery to foot traffic.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Substances classified under ECHA:</b>	Does not contain Substances of Very High Concern (SVHC). All ingredients ECHA registered.
<b>General Information:</b>	The products are manufactured from polyethylene co-polymers and contain standard additives including UV stabilizer, inorganic pigment additives and fillers, with or without aluminium foil.

### SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	Not applicable under normal working conditions. In the event of a fire, remove to fresh air and seek medical attention if necessary.
<b>Ingestion:</b>	Ingestion unlikely. If significant irritation or discomfort occurs, seek medical attention.
<b>Skin/ Eye Contact:</b>	Not applicable under normal working conditions. In the event of contact with molten product e.g. in a fire, immediately cool affected areas and irrigate thoroughly with clean cold water. Do not remove molten product from the skin. Seek medical attention.

### SECTION 5: FIRE AND EXPLOSION HAZARD DATA.

<b>Flash Point (C):</b>	N/A.
<b>Flammable Limits (% by volume):</b>	N/A.
<b>Auto Ignition Temperature:</b>	Approximately 850 deg C.
<b>Suitable Extinguishing Media:</b>	Dry dry powder, carbon dioxide, foam.
<b>Extinguishing Media that <u>must not</u> be used:</b>	Water.
<b>Decomposition / Combustion Products:</b>	Combustion products will include toxic gases such as carbon monoxide and hydrocarbons.
<b>Special Protective Fire Fighting Equipment:</b>	Wear breathing apparatus and protective clothing in confined space.

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

Personal Precautions:	None in "as received" condition.
Environmental Precautions:	None.
Cleaning up method:	Restack on pallet or in bin.

**SECTION 7: HANDLING AND STORAGE.**

Precautions for Safe Handling:	Avoid contact with naked flame or other sources of ignition, and employ safe lifting procedures when handling rolls.
Conditions for safe Storage:	Store under cool, dry conditions, protect from extremes of temperature. Ensure identification is visible at all times. Protect from direct sunlight.

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

Hand Protection:	Wear heavy duty gloves to protect against abrasion or cuts.
Eye Protection:	Where contact is likely wear safety glasses.
Foot Protection:	Wear safety shoes when handling rolls.
Industrial Hygiene:	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:	Solid at room temperature. Sheet material in roll form.
Odour:	None.
pH:	N/A.
Oxidising properties:	N/A.
Water solubility (% by weight):	Insoluble.
Conductivity:	Insulating to conducting depending on type.
Evaporation rate:	N/A.

**SECTION 10: STABILITY AND REACTIVITY.**

Stability / Conditions to avoid:	Stable under normal conditions. Keep away from excessive heat, do not expose to naked flame. Avoid strong oxidising agents.
Incompatibility / Materials to avoid:	Strong oxidizing agents, solvents or solvented products.
Hazardous decomposition Products:	Smoke, Carbon Dioxide, Carbon Monoxide.
Hazardous Polymerisation:	None.

**SECTION 11: TOXICOLOGICAL INFORMATION.**

Hazardous Ingredients:	Not significant.
Immediate Health Effects:	None.
Delayed Health Effects:	None.
Acute Effects (short term):	Skin Contact; No hazard in normal industrial use. Eye Contact; Particulate may scratch eye surfaces/cause mechanical irritation.
Chronic Effects (long term):	Ingestion; No hazard in normal industrial use. N/A.

**SECTION 12: ECOLOGICAL INFORMATION.**

Persistence and Degradability:	Compound not biodegradable. Not determined.
Bio accumulative Potential:	Considered non-toxic.
Aquatic toxicity:	N/A.
Marine Pollutant (IMDG guide):	Not biologically decomposable. Degrades under prolonged ultraviolet exposure. Floats on water and is insoluble in water.
General Information:	No bioaccumulation known.

**SECTION 13: DISPOSAL CONSIDERATIONS.**

Disposal of waste materials:	At approved tips as Landfill or incinerate.
Disposal of waste containers:	N/A.
Disposal Restrictions:	In accordance with local authority regulations.
Statutory Notification required:	None.
General Information:	The product is classified as equivalent to municipal waste. It can be reused or recycled. Dispose of waste material in accordance with national and local regulations.

**SECTION 14: TRANSPORT / LABEL INFORMATION.**

Designation:	Polymer compound.
UN Number:	None.
Special precautions re carriage:	Not dangerous cargo. Keep separate from food.
Symbol:	None.
General Information:	Not classified for Road, Rail, Sea or Air Transport.

**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.

**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:	1.
Date:	2 <sup>nd</sup> Dec 19.

**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.