



Breathable Membranes for Rainscreen Wall and Sloped Roof Systems

MSDS

MSDS SRP AirOutshield Wall	
Issue Date: 02 March 2011	Issue No: 1
1. PRODUCT AND COMPANY IDENTIFICATION	
Product trade name:	AirOutshield & AirOutshield ROOF
Product description:	Polypropylene composite.
Manufacturer:	Distributed by SRP Canada
2. COMPOSITION / COMPONENT INFORMATION	
Predominant component:	
Chemical name:	1-propene homopolymer
Alternative name:	polypropylene
CAS No:	9003-07-0
Minor components: Standard polypropylene additives (e.g. HALS UV stabiliser, organic and inorganic pigment colourants and fillers). Surface printed with standard flexographic printing inks.	
3. HAZARD IDENTIFICATION	
<u>General</u>	
Not classed as hazardous. Melted product adheres to skin and causes burns. Rolls can store electrostatic charge.	
<u>Health effects:</u>	
<u>Inhalation</u>	
Low dust product under usual conditions of use. Dust or fine fibres may be created by cutting or mechanical abrasion of the material. No systemic toxicity if inhaled, but may cause irritation to nose or throat.	
<u>Ingestion</u>	
No systemic toxicity if ingested. No significant symptoms expected.	
<u>Skin</u>	
Skin absorption – not applicable. Not expected to cause any symptoms following dermal exposure.	
<u>Eyes</u>	
Exposure to dust (See “Inhalation”) could cause irritation.	



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4. FIRST AID MEASURES		
<u>Inhalation</u>		
Inhalation problems with this product unlikely. No specific treatment, but if dust is inhaled, remove from source and seek medical attention if necessary.		
<u>Ingestion</u>		
Ingestion unlikely. If significant irritation or discomfort occurs, seek medical attention.		
<u>Skin</u>		
No hazard from product under normal conditions. If molten product is in contact with skin, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek immediate medical advice.		
<u>Eyes</u>		
Thoroughly flush dust from eyes using clean water. Seek medical attention if discomfort continues.		
5. FIRE FIGHTING MEASURES		
Melting point	Approximately 165°C	
Flashpoint	343°C	
Flammability	Flammable. Melts and tends to shrink away from flame. Toxic vapours released when burnt.	
Extinguishing media	Consider other materials involved when selecting the extinguishing media.	
Explosion hazards	Use water spray, foam, dry chemical or carbon dioxide. Explosion hazard from airborne dust.	
Fire fighting equipment	For large fires use self-contained breathing apparatus.	
Decomposition products	Predominantly carbon dioxide and carbon monoxide.	
6. ACCIDENTAL RELEASE MEASURES		
Not applicable. Dust or small fragments: collect and dispose in general waste container.		



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7. HANDLING AND STORAGE	
<u>Handling</u>	
Employ appropriate safe lifting procedures when handling rolls. Avoid breathing dust if cutting large quantities of material.	
<u>Storage</u>	
Protect from dust. Store in cool, dry area. Avoid prolonged exposure to bright light.	
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION	
OEL (EH40/2000) $\geq 10\text{mg/m}^3$ total inhalable dust; $\geq 4\text{mg/m}^3$ respirable dust, for 8 hour TWA.	
<u>Engineering controls</u>	
Ventilate to ensure dust exposure is below the recommended limits. If airborne dust exceeds exposure limits, use an approved dust respirator.	
<u>Personal protective equipment</u>	
Protective overalls and safety shoes when handling rolls.	
9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical state	Solid
Colour	White sandwiched film. Outer fabric layers are self-coloured defined by individual product specifications. Top surface printed, also defined by individual product specifications.
Odour	Odourless
pH	Not applicable
Melting point	$>160^\circ\text{C}$
Ignition temperature	$>400^\circ\text{C}$
<u>Solubility in water</u>	Insoluble
Density	0.89 – 0.91 at 20°C



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10. STABILITY AND REACTIVITY	
<u>Stability</u> Stable under normal handling and storage conditions.	
Materials to be avoided Strong oxidation agents.	
Dangerous reactions None known.	
Dangerous decomposition products None known at room temperatures.	
11. TOXICOLOGICAL INFORMATION	
Typical values for the base polymer from which the product is made:	
LD 50, oral >2000 mg/kg	
LD 50, dermal >2000 mg/kg	
<u>Primary irritant effects</u>	
Skin No irritant effect	
Eye No irritant effect	
Sensitisation No sensitising effect known.	
12. ECOLOGICAL INFORMATION	
Information about elimination (persistence and degradability) Not biologically decomposable. Degrades under ultra violet exposure.	
<u>Mobility</u> Insoluble in water. Floats on water. No bioaccumulation known.	
<u>General notes</u> The product is not toxic. Small particles can have physical effects on water and soil organisms.	
13. DISPOSAL CONSIDERATIONS	
The polymer is classified by the European Commission of 20.12.1993 in its list of waste materials on the same level as municipal waste (Guideline EWG 75/442, later modified by EWG 91/156).	
The material can be re-used or re-cycled according to the regulations of Guideline EG 94/62.	



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Disposal through authorised, controlled incineration or authorised waste dump.	
14. TRANSPORT INFORMATION	
The product is, according to national and international guidelines which regulate the road, rail, air and sea transport, not dangerous.	
15. REGULATORY INFORMATION	
<u>Designation according to EC guidelines</u>	
According to the text of EEC directive 67/548 and following adaptations, the product is not dangerous.	
16. OTHER INFORMATION	
The information supplied is based upon the current level of information available for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics. SRP Canada Inc. takes no responsibility for the inappropriate use, processing and handling by purchasers and users of the product.	
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