



## HEALTH AND SAFETY PRODUCT INFORMATION

Product: Foam Door Liner

Date: 1<sup>st</sup> May 2009

Product code:472705

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1.

Company Name and Address
INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester Essex CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : <a href="mailto:office@indasa.co.uk">office@indasa.co.uk</a>

2.

Composition/Information on ingredients		
Global description	A cross-linked poltefin foam.	
Components that may contribute to hazards		
Name	Range W/W%	R-phrases
<b>PE and PP-homo and copolymers is foamed with an organic foaming agent by chemical dicomposition. The gases mainly produced are Nitrogen (N<sup>2</sup>) and Carbon Dioxide (CO<sup>2</sup>) both are known as non depleting substances to the ozone layer.</b>		

3.

Hazards identification	
Specific hazards – <b>Polyolefin foam will burn given adequate quantities of heat and oxygen. Do not expose the material to any flame or other source of ignition or heat.</b>	
R-phrases	Description

4.

First-Aid measures	
Inhalation	<b>If smoke gases are inhaled, which contain mainly carbon dioxide (CO<sup>2</sup>) and carbon monoxide (CO). remove patient from the vicinity of gases or evacuate whilst protecting yourself. Artificial respiration may be necessary. Immediately call a doctor.</b>
Skin	<b>If the skin is burnt after touching the molten foam, cool the burnt areas with water, but do not remove the foam from the skin. If skin burn grade 2 or 3 is reached immediately call a doctor.</b>
Eyes	
Ingestion	

5.

<b>Fire-Fighting measures</b>	
Extinguishing media	
Use	<b>Water spray, extinguishing foam, CO<sup>2</sup> extinguisher</b>
Don't use	
Specific hazards	
<b>Avoid dense smoke and do not inhale the smoke gases from combustion</b>	
a) Carbon dioxide (CO <sup>2</sup> ) b) Carbon monoxide (CO) c) Watervapour (H <sup>2</sup> O) a+b+c: 95/97%	
d) Ethine (C <sup>2</sup> H <sup>2</sup> ) 2-4% e) Ethene (C <sup>2</sup> H <sup>4</sup> ) <1% f) Ammonia (NH <sup>3</sup> ) <1%	
Specific methods	
<b>Use breathing apparatus/oxygen masks in enclosed premises</b>	
Protection of firefighters	
<b>Safety goggles and special clothing to protect the skin and body from the molten Foam</b>	

6.

<b>Accident release measures</b>	
Personal precautions	
<b>N/A</b>	
Environmental precautions	
<b>N/A</b>	
Methods for cleaning-up	
<b>N/A</b>	

7.

<b>Handling and storage</b>	
Handling	<b>Practice reasonable care as a normal safety precaution. Fabrication areas should be well ventilated to carry away fumes, vapours and dust, especially in processes e.g lamination (heat and coating), welding, vacuum forming, hot pressmoulding. Operators should be assured of an adequate supply of fresh air. The working environment should be kept clean and free of dust.</b>
Storage	<b>Practise reasonable care and cleanliness, provide adequate distance between stacks of foam as a safety precaution. Do not expose to any source of flame, ignition or heat. Recommended storage is inside due to UV light and heat sensitivity.</b>

8.

<b>Exposure controls/personal protection</b>	
Name	MAC TWA(8hr)
Protection	
Respiratory	<b>Use special personal breathing respirator/mask or filter. In special fabrication areas that are not well ventilated, in order to protect from fumes, vapours and dust.</b>
Hand	<b>Wear gloves (cotton, wool or leather). When working in fabrication areas utilising heat processes, to prevent possible thermal injury from hot foam</b>
Eye	<b>Wear goggles or face masks when working in fabrication areas utilising heat processes, to prevent possible contact with hot foam and thermal injury</b>
Skin and body	<b>Wear clothes and shoes to protect the full body, especially when working in fabrication areas utilising heat processes to prevent possible thermal injury (burns)</b>

9.

<b>Physical and chemical properties</b>			
Physical state	<b>Semi rigid closed cell</b>	pH	
Form	<b>Foam</b>	Log P octanol/water	
Color	<b>Grey</b>	Solubility in water	<b>Insoluble</b>
Temperatures		Viscosity	
Melting point	<b>160°C – 180°C</b>	Vapour pressure	
Softening range	<b>&gt;70-130°C</b>	Vapour density	
Flash point	<b>-</b>	Density	<b>25 kg/m<sup>3</sup></b>
Autoignition	<b>&gt;300°C</b>	Conductivity	
Explosion range under		Odour	<b>Odourless</b>
Explosion range upper			

10.

<b>Stability and reactivity</b>	
Conditions to avoid	<b>Temperatures between 160 – 180°C (over periods &gt;10 min) Contact with strong oxidizing chemicals</b>
Materials to avoid	
Dangerous products in case of fire	<b>Decomposition gases/vapours in heat fabrication processes. Combustion gases in case of fire.</b>

11.

<b>Toxicological information</b>	
If fire	<b>Harmless</b>

12.

<b>Ecological information</b>	
Mobility	<b>Environmentally harmless</b>
Persistence / degradability	
Bioaccumulation	
Ecotoxicity	

13.

<b>Disposal considerations</b>	
Product	<b>PO may be disposed of by landfill (PO is inert and does not degrade. It forms a permanent soil base and releases no gases or chemicals known to pollute water resources.</b>
Packaging	

14.

<b>Transport information</b>			
Special precautions			
<b>N/A</b>			
Classifications			
Packing group	<b>N/A</b>	UN-number	<b>N/A</b>
Do not store near food		RID/ADR	<b>N/A</b>
Sea contaminating		ICAD/IATA	<b>N/A</b>
Shipping name		IMDG-code	<b>N/A</b>

15.

<b>Regulatory information</b>	
EC-classification <b>No regulations apply in relation to classification, packaging and identification, also applicable to health and environmental care.</b>	
Contains	
Symbol	
R-phrases	
S-phrases	

16.

<b>Other information</b>		
Creation date	<b>01.05.09</b>	Production Management
Replace sheet of	<b>05.01.09</b>	Phill Blowers
<b>Text of R-Statements listed in ingredients</b>		
<b>This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.</b>		