

## Material Safety Data Sheet—Barium Loaded Vinyl

<b>1.0 Identification of Product and Company</b>	
1.1 Product	: Barium Loaded Vinyl BS Stainless Limited 360 Leach Place
1.2 Supplier	: Walton Summit Preston PR5 8AS
1.3 Emergency Contact	: P: +44 (0) 1772 337555 E: info@bsstainless.co.uk
1.4 Date Updated	: January 20, 2015
<b>2.0 Composition/Information on Ingredients</b>	
2.1 Composition	: Thermoplastic polymer compound. Contains no regulated constituents when assessed to current EU directives
<b>3.0 Hazards Identification</b>	
3.1	Under normal conditions of use the material will present no unusual hazard.
<b>4.0 First Aid Measures</b>	
4.1 Inhalation	: Not applicable at ambient temperature. In a situation where material is thermally degrading move to fresh air and consult a doctor if necessary.
4.2 Skin Contact	: Not applicable at ambient temperature. On contact with molten material wash abundantly with cold water. Treat affected areas as thermal burns.
4.3 Eye Contact	: Not applicable at ambient temperature. On contact with molten material wash immediately and abundantly with cold water. Seek medical consultation.
4.4 Ingestion	: In the unlikely event of ingestion seek medical attention.
<b>5.0 Fire Fighting Measures</b>	
5.1 Suitable Extinguishing Media	: Use any commonly available fire extinguisher. Water sprays effective but water jets (hoses) not recommended at early stages to prevent flame propagation. It is recommended that advice is obtained from local fire authorities with respect to extinguisher type and use for various storage environments (i.e. where electrical equipment is present.)
5.2 Special Exposure Hazards	: As with 'all' burning organic materials the gasses produced are toxic. Here they are mainly CARBON MONOXIDE (CO), HYDROGEN CHLORIDE (HCL) AND CARBON DIOXIDE (CO2). Decomposition on combustion will also produce smaller quantities of unspecified aldehydes and Hydrocarbons. Material may drip flaming droplets when molten.
5.3 Special Protective Equipment	: Self-contained breathing apparatus should be worn.



<b>6.0 Accidental Release Measures</b>	
6.1 Personal Precautions	: Not applicable under ambient temperature. Avoid skin contact with hot product.
6.2 Environmental Precaution	: No specific hazard but we advice that the material is not released into the environment
6.3 Methods For Cleaning Up	: no special measures
<b>7.0 Handling and Storage</b>	
7.1 Handling	: Observe standard conditions of personal hygiene. Gloves are recommended for repeated handling of the material. During higher temperature processes and during conversion operations, provide ventilation of the premises to remove any vapour or dust likely to be given off.
7.2 Storage	: No special storage requirements. Protect the material from heat and store in cool conditions.
<b>8.0 Exposure Controls/Personal Protection</b>	
8.1 Respiratory Protection	: Not applicable generally but in higher temperature processes or conversion operations ventilation of the work area is required to remove any vapour or liberated dust.
8.2 Hand Protection	: For repeated handling at ambient temperatures latex or cotton gloves may be preferred. For hot material, wear thermal gloves.
8.3 Eye Protection	: Not applicable at ambient temperatures. If working with hot material, wear safety glasses, goggles.
8.4 Skin Protection	: For repeated handling gloves are recommended. If working with hot or near molten material, additional protective clothing is recommended.
<b>9.0 Physical and Chemical Properties</b>	
9.1 Appearance	: Black Flexible Sheet
9.2 Odour	: Vinyl Odour
9.3 Melting Point/Melting Range	: Material will begin to soften slightly above 60°C
9.4 Flammability	: Not easily flammable but under an intense fire situation it will contribute to the overall fire.
9.5 Density	: 2.5 gcm <sup>-3</sup>
9.6 Solubility	: Polymer layer - insoluble in water. Soluble in Methyl ethyl ketone (M.E.K.), Tetrahydrofuran and some other polar organic solvents.
<b>10.0 Stability and Reactivity</b>	
10.1 Conditions to avoid	: Under normal storage conditions the material will be stable and unreactive. At elevated temperatures for a prolonged time (140oC+) thermal decomposition gases will be liberated from the polymer layer which will auto catalyse further degradation.
10.2 Material to avoid	: The material should present no special hazard in contact with other materials unless these materials themselves are very reactive.
10.3 Hazardous decomposition	: At ambient temperatures material is stable. Under elevated temperatures up to combustion thermal decomposition will yield in the main CARBON MONOXIDE, CARBON DIOXIDE and HYDROGEN CHLORIDE in conjunction with other hydrocarbons



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ISO 9001: 2008



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VER:BS-58-V1

<b>11.0</b>	<b>Toxicological Information</b>	
	To the best of our knowledge the product does not present a toxicological hazard . As a solid material exposure 11.1 routes through inhalation, skin and eyes are not applicable. In the unlikely event of ingestion seek medical attention.	
<b>12.0</b>	<b>Ecological information</b>	
12.1	Degradability in water	: Inert polymer. Not biodegradable. The product is a thermoplastic polymer compound and thus can be granulated and thermally reprocessed.
<b>13.0</b>	<b>Disposal Considerations</b>	
13.1	Incinerate or landfill if possible to current local authority legislation	
<b>14.0</b>	<b>Transport Information</b>	
14.1	To the best of our knowledge no special transport regulations apply to this product.	
<b>15.0</b>	<b>Regulatory Information</b>	
15.1	SAFETY DATA SHEET COMPILED IN ACCORDANCE WITH 91/155/EEC AND CHIP3:CHEMICAL (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS 2002. NO MANDATORY LABELLING REQUIRED.	
<b>16.0</b>	<b>Other Information</b>	
16.1	Recommended Uses	: Noise Control
16.2	REACH	: The material does not contain any ‘ substances of very high concern’ when evaluated against current ECHA candidate list.
	<b>Declaration</b>	: The information given in the safety datasheet is based on the present level of our knowledge and experience. The data sheet describes the products with respect to safety requirements. The data given is not intended as a confirmation of product properties and does not constitute a legal contractual relationship, nor should it be used as the basis for ordering these products.



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