

Material Safety Data Sheet—SoundMet

1.0 Identification of Product and Company	
1.1 Product	: SoundMet - Stainless Steel
1.2 Manufacturer	: BS Stainless Limited
1.3 Address	: 360 Leach Place, Walton Summit, Preston PR5 8AS
1.4 Emergency Contact	: Mark Almond: +44 (0) 1772 337555
2.0 Product Description	
2.1 Description	: Mass Loaded Vinyl bonded to Stainless Steel
2.2 Composition	:
Mass Loaded Vinyl	: Thermoplastic polymer compound. Contains no regulated constituents when assessed to current EU directives
Stainless Steel	: Austenitic Stainless Steel ASTM A240 / ASTM / EN 10088 - 4, Iron Alloy with 10.5 - 30% Cr, max 38% Ni, Max 38% Ni, max 11% Mn, max 8% Mo, other elements such as
3.0 Hazards Identification	: Under normal conditions of use, the material will present no unusual hazards. If the individual is already sensitised to Nickel, prolonged skin contact with few types of stainless steel may result in an allergic dermatological reaction.
4.0 First Aid Measures	
4.1 Inhalation	: Not Applicable at ambient temperature. In a situation where material is thermally degraded, move to fresh air and consult a doctor if necessary
4.2 Skin Contact	: Not Applicable at ambient temperature. On contact with hot material, wash abundantly with cold water. Treat affected areas as thermal burns
4.3 Eye Contact	: Not Applicable at ambient temperature. On contact with hot material, wash abundantly with cold water. Seek medical consultation
4.4 Ingestion	: In an unlikely event of ingestion, seek medical attention
5.0 Fire Fighting Measures	
5.1 Suitable Extinguishing Media	: Stainless steel in non-combustible. Use any commonly available fire extinguisher for the vinyl. Water sprays are effective but water jets are not recommended at early stages to prevent flame propagation. It is recommended that advice is obtained from the local fire authorities with respect to extinguisher type and use for various storage environments (i.e. where electrical equipment are 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 (CO ₂). Decomposition on combustion will also produce smaller quantities of unspecified aldehydes and hydrocarbons. Material may drip flaming droplets when molten

6.0 Accidental Release Measures	
6.1 Personal Precautions	: Not applicable under ambient temperature. Avoid skin contact with hot product.
6.2 Environmental Precaution	: No specific hazard, we advice that the material is not released into the environment.
6.3 Methods For Cleaning Up	: No special methods
7.0 Handling and Storage	
7.1 Handling	: Normal precautions must be taken to avoid injury from coiled or bundled products, especially, with sharp edges. Observe standard condition of physical hygiene. Personal protective equipment are recommended for handling of the material.
7.2 Storage	: Protect the material from heat and moisture
8.0 Exposure Controls/Personal Protection	
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 temperature, latex gloves must be worn. For hot material, wear thermal gloves.
8.3 Eye Protection	: Not applicable at ambient temperatures. If working with hot material, wear safety goggles.
8.4 Skin Protection	: Personal protective equipment must be worn. If working with hot or near molten material, additional protective clothing is recommended.
9.0 Physical and Chemical Properties	
9.1 Appearance	: Black flexible sheet bonded to metal
9.2 Odour	: Vinyl Odour
9.3 Melting Point/Melting Range	: Vinyl will begin to soften at 70 °C
9.4 Flash Point	: ≥ 200 °C (plasticiser component)
9.5 Flammability	: Not easily flammable but under an intense fire situation MLV will contribute to the fire.
9.8 Density	: Mass Loaded Vinyl - 2.5 gcm ⁻³ / Stainless Steel - 8 gcm ⁻³
9.9 Solubility	: Polymer layer - insoluble in water. Soluble in Methyl ethyl ketone (M.E.K.), Tetrahydrofuran and some other polar organic solvents.
10.0 Stability and Reactivity	
10.1 Conditions to avoid	: Under normal storage conditions, the material will be stable and un-reactive. At elevated temperatures (140 °C) 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 and un-reactive. Under elevated temperatures, 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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11.0 Toxicological Information	: To the best of our knowledge the product does not present a toxicological hazard. As a solid material exposure routes through inhalation, skin and eyes are not applicable. In the unlikely event of ingestion, seek medical attention.
12.0	Ecological information
12.1 Degradability in water	: Inert polymer. Not biodegradable. The product is a thermoplastic polymer compound and thus can be granulated and thermally reprocessed. Water will have a corrosive effect on the stainless steel in case of an extended exposure
13.0 Disposal Considerations	: Incinerate or landfill if possible to current local authority legislation
14.0 Transport Information	: To the best of our knowledge, no special transport regulations apply to this product.
15.0 Regulatory Information	: Safety datasheet is compiled in accordance with 10088 –4, 91/155/EEC and CHIP3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002. No Specific Safety Regulators are applicable.
16.0	Other Information
16.1 Recommended Uses	: Acoustic Insulation Cladding
16.2 Reach	: The material does not contain any substance of very high concern when evaluated against current ECHA candidate list
Declaration	: 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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