

Material Safety Data Sheet—CoolMet

1.0 Identification of Product and Company	
1.1 Product	: CoolMet - 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	: PVDF Painted Stainless Steel
2.2 Composition Paint	: Polyvinylidene Fluoride (Fluoropolymer)
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 Si, Cu, Ti may be present.
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.
4.3 Eye Contact	: Not Applicable at ambient temperature.
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 effective but water jets 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 Oxides of Carbon and Hydrogen Fluoride.
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 but we advice that the material is not released into the environment
6.3 Methods For Cleaning Up	: no special methods



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7.0 Handling and Storage	
7.1 Handling	: Normal precaution must be take 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 at 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 handling at ambient temperatures latex 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 goggles.
8.4 Skin Protection	: Personal protective equipment must be worn. If working with hot material, additional protective clothing is recommended.
9.0 Physical and Chemical Properties	
9.1 Appearance	: Painted metal
9.2 Odour	: None
9.3 Melting Point/Melting	: Paint melts at 165 - 172 deg C
9.5 Flammability	: Not easily flammable
9.8 Density	: Stainless Steel - 8 gcm ⁻³
9.9 Solubility	: Negligible
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 (160 deg C) for a prolonged time thermal decomposition gases will be liberated from the polymer (paint) layer.
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 up to combustion thermal decomposition will yield in the mainly Oxides of Carbon and Hydrogen Fluorides
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.



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12.0	Ecological information
12.1 Degradability in water	: 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 data sheet compiled in accordance with 10088 - 4 and 91/155/EEC. No specific safety regulations are applicable
16.0	Other Information
16.1 Recommended Uses	: Insulation Cladding
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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