

MATERIAL SAFETY DATA SHEET

01. COMPANY DETAILS & PRODUCT IDENTIFICATION			
Company		VISHVA VISHAL ENGINEERING LIMITED	
Address		4/5 INDUSTRIAL ESTATE, BHILAI, DIST. DURG (CG), PIN 490026, INDIA	
Telephone Number		0091-788-4088404 / 2285106 / 2285101	
Fax Number		0091-788-4088439 / 2285103	
Emergency Contact		099815-41080	
Product Name / Type		RUNNER MASS / TROUGH MASS	
Brand Name		“VELRAM”	
02. PHYSICAL & CHEMICAL PROPERTIES			
Physical			
Appearance	Blackish, Size 0 to 6 mm		
Solubility	Negligible		
PH Value	Slightly Acidic (pH around 6.5 - 7.0)		
Temperature Limit	300°C		
Bulk Density	2.55 to 2.7 gm/cc		
Chemical		Al ₂ O ₃ – 65-70% min. SiC – 15 to 20 %, C – 5 to 10% SiO ₂ – 5% max.	
03. STABILITY AND REACTIVITY			
Chemical stability	Stable in the form supplied.		
Incompatibility	Above 300°C		
Conditions to avoid	Ensure storage requirements are not compromised.		
Hazardous decomposition	At high temperature above 1600°C in presence of Oxygen.		
04. COMPOSITIONAL INFORMATION			
Components	Comprises of White Fused Alumina, Brown Fused Alumina, SiC & PF Resin.		
	Substance : Phrase	CAS Number	(% Range) R/S
	White Fused Alumina	1344-28-1	25 to 30%
	Brown Fused Alumina	1344-28-1	35 to 45 %
	Silicon Carbide	92843-12-4	15 to 20%
	PF Resin	25085-50-1	7 to 11%

MATERIAL SAFETY DATA SHEET

05. HEALTH HAZARD IDENTIFICATION	
Wet Mass Health Effects Fume	Products are expected to be used in 'as supplied' condition. No effect envisaged. No toxic gas evolves. Nominal Fume emission possible during use of products, when they are used above 300°C.
06. FIRST AID MEASURES	
Skin Contact Eye Contact Inhalation Ingestion	Wet Mass – Wash off with warm soapy water. Wet Mass – Flush with suitable eyewash – seek medical advise FUME – Remove to fresh air – Seek medical advice. Wet Mass – Seek medical advice.
07. FIRE FIGHTING MEASURES	
<u>Fire fighting measure</u> Extinguisher type Special procedure	Media water, CO ₂ foam type. Wear breathing apparatus to protect against possible fume emission from the fire.
08. ACCIDENTAL RELEASE MEASURES	
Spillage	Reusable, subject to not being damaged.
09. HANDLING & STORAGE	
Handling Storage	Avoid breathing dust. Avoid getting into eyes. Store in a dry roofed area away from heat or ignition & keep away from moisture.

MATERIAL SAFETY DATA SHEET

10. EXPOSURE CONTROL & PERSONAL PROTECTION			
Exposure standards	Exposure controls – see section for exposure control criteria		
	Substance	O.E.L Value	Designation
	WFA & BFA	3 mg/m ³	OES ®
	Silicon Carbide	15 mg/m ³	OES ®
Personal Protection			
Ventilation	Where practicable, maintain atmospheric dust & fume control by engineering method (e.g.) Local exhaust ventilation.		
Respiratory	Where atmospheric dust / fume control can not be achieved at source, use dust mask of standard. EN149 FFP 2S – Nominal protection=12or a fume mask of standard. EN149 FFP 3S – Nominal protection = 10.		
Eye	Use suitable industrial type safety glasses offer some protection.		
Hand	Wear protective Gloves		
Others	Maintain eyewash fountain & quick drench facilities in work area.		
11. TOXICOLOGICAL INFORMATION			
	The products as supplied have minimal threat to human health within the standard as described in the section – 10 / Exposure Control.		
12. ENVIRONMENTAL INFORMATION			
	Bioaccumulation potential or aquatic toxicity is regarded as negligible.		

MATERIAL SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS	
	<p>Uncontaminated products may be disposed of as non-hazardous solid waste in accordance with local regulation & statutory provisions.</p> <p>Customers are advised to evaluate any changes to the original products by introduction of substances & operating condition not under the control of the vendor.</p>
14. TRANSPORTATION INFORMATION.	
	<p>No special restrictions.</p> <p>Protect the product from moisture, rain, snow etc.</p>
15. REGULATORY INFORMATION	
	<p>AS PER STANDARD LOCAL REGULATIONS.</p>
16. OTHER INFORMATION	
	<p>The product is supplied as packaged & on HDPE Gunny Bags. The weight of bag is indicated on the packaging label.</p> <p>Customers are advised to consider any manual handling requirements in line with pertinent legislative requirements. The customer is recommended to take adequate fire precautions during the initial heat-up.</p> <p>This safety data sheet will be reviewed periodically & will be updated when occupation exposure limits are changed or when the contained information does not accurately reflect safety risk or to comply with any changes in legislative requirements.</p>