



ANH Refractories Europe Ltd

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SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION	This Safety Data Sheet covers the product below.
Commercial Name	VERSAFLOW 45 PLUS
Description	Dry refractory castables
Manufacturer	ANH Refractories Europe Ltd Dock Road South Bromborough, Wirral CH62 4SP, England Tel: 44 (0)151 641 5900 Fax: 44 (0)151 641 5910 E-Mail: sales@anheurope.co.uk
2. INFORMATION ON INGREDIENTS	Refractory Aggregates >50 ≤100% CAS NO. 1344-28-1 Calcium Aluminate Cement >2.5 ≤10% CAS NO. 65997-16-2
Impurities of a dangerous nature	None is unused product. Contains amorphous silica which may become crystalline after prolonged use at elevated temperatures (see sections 8 and 13).
3. HAZARD IDENTIFICATION	Long term exposure to Crystalline Silica can cause Silicosis. Prolonged handling can cause drying of the skin.
4. FIRST AID MEASURES	
Inhalation	Remove person to fresh air. If symptoms persist, seek medical attention.
Skin	Remove contaminated clothing and wash affected area with soap and water.
Eye	Flush eyes with plenty of clean water / saline. If symptoms persist, seek medical attention.
Ingestion	Wash out mouth with water and give plenty of water to drink.



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5. FIRE-FIGHTING MEASURES	This product is not combustible or explosive.									
6. ACCIDENTAL RELEASE MEASURES	Personal Precautions - See Section 8. Collect spillage by vacuum cleaning or other means whereby dust creation is minimised Do not empty material into drains, sewers or water courses as the material hardens in contact with water.									
7. HANDLING AND STORAGE Handling Storage	Use appropriate controls to avoid creating dust. Store in dry conditions on a pallet protected by shrink-wrapping.									
8. EXPOSURE CONTROLS, PERSONAL PROTECTION Occupational Exposure Limits	Mechanical ventilation is recommended wherever feasible for evacuation of dust during handling operations. Protective clothing is recommended, including gloves, goggles and boots. Suitable respiratory protection should be worn when conditions are such that the personal exposure is estimated to approach or exceed the stated limit. <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Respirable Crystalline Silica (CAS 14808-60)</td> <td style="width: 20%; text-align: center;">0.1 mg/m³</td> <td style="width: 20%; text-align: center;">8 hr TWA</td> </tr> <tr> <td>Product Total Inhalable Dust</td> <td style="text-align: center;">10 mg/m³</td> <td style="text-align: center;">8 hr TWA</td> </tr> <tr> <td style="padding-left: 100px;">Respirable Dust</td> <td style="text-align: center;">4 mg/m³</td> <td style="text-align: center;">8 hr TWA</td> </tr> </table>	Respirable Crystalline Silica (CAS 14808-60)	0.1 mg/m ³	8 hr TWA	Product Total Inhalable Dust	10 mg/m ³	8 hr TWA	Respirable Dust	4 mg/m ³	8 hr TWA
Respirable Crystalline Silica (CAS 14808-60)	0.1 mg/m ³	8 hr TWA								
Product Total Inhalable Dust	10 mg/m ³	8 hr TWA								
Respirable Dust	4 mg/m ³	8 hr TWA								
9. PHYSICAL AND CHEMICAL PROPERTIES Form Colour Odour Flash Point Explosion Properties pH	Mixture of granular material and fine powders. Grey. None. Not applicable. Not applicable 8 to 10 when mixed with water to give usable consistency.									
10. STABILITY AND REACTIVITY	This product is stable and generally unreactive in a dry environment at ambient temperatures. When mixed with water it reacts chemically and sets hard.									



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11. TOXICOLOGICAL INFORMATION	Inhalation of finely divided material may cause respiratory tract irritations especially in a confined space. May cause local irritation to eye, throat or skin, but does not qualify as an irritant.
12. ECOLOGICAL INFORMATION	If used in the recommended manner this material does not represent a significant environmental hazard.
13. DISPOSAL CONSIDERATIONS	Unused material can be disposed of in approved landfill sites in accordance with local regulations. Before removal of redundant refractory linings, customers are advised to evaluate any changes that may be induced by the conditions under which it has been used. Consult local and EC regulations.
14. TRANSPORT INFORMATION	No special requirements not classified as hazardous according to international transport regulations.
15. REGULATORY INFORMATION Product Classification and Labelling	Symbol: Not subject to classification. R-phrases: None. S-phrases: None.
16. OTHER INFORMATION	This safety data sheet has been prepared in accordance with EC Directive 91/155/EEC and current UK and EC legislation.

