



ANH Refractories Europe Ltd

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SAFETY DATA SHEET

<p>1. PRODUCT IDENTIFICATION</p> <p>Commercial Name</p> <p>Description</p> <p>Manufacturer</p>	<p>This Safety Data Sheet covers the product below.</p> <p>JADEPAK 88P</p> <p>i) Refractory Plastic or Mouldable ii) Refractory Ram Mix</p> <p>ANH Refractories Europe Ltd Dock Road South Bromborough, Wirral CH62 4SP, England</p> <p>Tel: 44 (0)151 641 5900 Fax: 44 (0)151 641 5910 E-Mail: sales@anheurope.co.uk</p>																		
<p>2. INFORMATION ON INGREDIENTS</p>	<table border="0"> <tr> <td>Alumina (Al₂O₃)</td> <td>>50</td> <td>≤100%</td> </tr> <tr> <td>CAS NO. 1344-28-1</td> <td></td> <td></td> </tr> <tr> <td>Chromium III Oxide Cr₂O₃</td> <td>>2.5</td> <td>≤10%</td> </tr> <tr> <td>CAS NO. 1308-39-9</td> <td></td> <td></td> </tr> <tr> <td>Phosphate Binder</td> <td>>2.5</td> <td>≤10%</td> </tr> <tr> <td>CAS NO. 7664-38-2</td> <td></td> <td></td> </tr> </table>	Alumina (Al ₂ O ₃)	>50	≤100%	CAS NO. 1344-28-1			Chromium III Oxide Cr ₂ O ₃	>2.5	≤10%	CAS NO. 1308-39-9			Phosphate Binder	>2.5	≤10%	CAS NO. 7664-38-2		
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<p>3. HAZARD IDENTIFICATION</p>	<p>The phosphate binder is corrosive and can damage skin and eyes.</p> <p>As the product is supplied wet, it does not provide an inhalation problem.</p>																		
<p>4. FIRST AID MEASURES</p> <p>Inhalation</p> <p>Skin</p> <p>Eye</p> <p>Ingestion</p>	<p>Not applicable in supplied state.</p> <p>Remove contaminated clothing and wash affected area with soap and water.</p> <p>Flush eyes with plenty of clean water / saline. Seek medical attention.</p> <p>Wash out mouth with water and give plenty of water to drink. Seek medical attention.</p>																		



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5. FIRE-FIGHTING MEASURES	This product is not combustible or explosive but see section 10.									
6. ACCIDENTAL RELEASE MEASURES	Personal Precautions - See Section 8. Remove using normal housekeeping measures. Dispose in an approved dump. This material is a "Special Waste" under the Control of Pollution Regs 1980.									
7. HANDLING AND STORAGE Handling Storage	Control the environment to ensure compliance with current occupational exposure limits. 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"> <tr> <td>Alumina (Al₂O₃) (CAS NO. 1344-28-1)</td> <td>10 mg/m³ 4 mg/m³</td> <td>8 hr TWA (INHAL) 8 hr TWA (RESP)</td> </tr> <tr> <td>Chromia (Cr₂O₃)</td> <td>0.5 mg/m³</td> <td>8 hr TWA (OEL)</td> </tr> <tr> <td>Phosphate Binder (H₃PO₄) (CAS NO. 7664-38-2)</td> <td>1.0 mg/m³ 2 mg/m³</td> <td>8 hr TWA (OEL) 15 Min Period (STEL)</td> </tr> </table>	Alumina (Al ₂ O ₃) (CAS NO. 1344-28-1)	10 mg/m ³ 4 mg/m ³	8 hr TWA (INHAL) 8 hr TWA (RESP)	Chromia (Cr ₂ O ₃)	0.5 mg/m ³	8 hr TWA (OEL)	Phosphate Binder (H ₃ PO ₄) (CAS NO. 7664-38-2)	1.0 mg/m ³ 2 mg/m ³	8 hr TWA (OEL) 15 Min Period (STEL)
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9. PHYSICAL AND CHEMICAL PROPERTIES Form Colour Bulk Density pH	Wet / damp plastic mix containing aggregates. Green Approx 3170 Kg/m ³ Approx 3 - 4 May emit Phosphorus Oxides on heating for the first time.									
10. STABILITY AND REACTIVITY	This product is stable in air, and is generally unreactive at ambient temperatures.									



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11. TOXICOLOGICAL INFORMATION	This product is classified as corrosive due to its low pH. The Chrome III Oxide can be converted to Chrome VI by the action of basic substances such as alkali or lime, in service. Chrome VI is a suspected carcinogen. See section 13.
12. ECOLOGICAL INFORMATION	Approximately 10% of the product in its unused state is soluble in water, consequently phosphate may be leached by ground water. This solubility is greatly reduced after use where the product has been heated to elevated temperatures.
13. DISPOSAL CONSIDERATIONS	Spilled products should be placed in closed containers for disposal in a suitable dump. Before wrecking and removing 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. This material is a "Special Waste" under the Control of Pollution Regs 1980.
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. 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.

