



**ANH Refractories Europe Ltd**

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**SAFETY DATA SHEET**

<p><b>1. PRODUCT IDENTIFICATION</b></p> <p><b>Commercial Name</b></p> <p><b>Description</b></p> <p><b>Manufacturer</b></p>	<p>This Safety Data Sheet covers the product below.</p> <p>GREENPAK 90P</p> <p>(and "DRY" versions of the above mixes)</p> <p>Plastic Mouldable refractory ("DRY" postscript means ramming 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><b>2. INFORMATION ON INGREDIENTS</b></p> <p><b>Impurities of a dangerous nature</b></p>	<table border="0"> <tr> <td>Refractory Aggregates</td> <td>&gt;50</td> <td>≤100%</td> </tr> <tr> <td>CAS NO. 1344-28-1</td> <td></td> <td></td> </tr> <tr> <td>Phosphate Binder</td> <td>&gt;2.5</td> <td>≤10%</td> </tr> <tr> <td>CAS NO. 7664-38-2</td> <td></td> <td></td> </tr> </table> <p>Not inhalable in supplied form.</p> <p>Contains corrosive acid phosphates.</p>	Refractory Aggregates	>50	≤100%	CAS NO. 1344-28-1			Phosphate Binder	>2.5	≤10%	CAS NO. 7664-38-2		
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<p><b>3. HAZARD IDENTIFICATION</b></p>	<p>Long term exposure to Crystalline Silica can cause Silicosis.</p> <p>Handling can cause damage to the skin.</p> <p>The phosphate binder is corrosive and can damage skin and eyes..</p>												
<p><b>4. FIRST AID MEASURES</b></p> <p><b>Inhalation</b></p> <p><b>Skin</b></p> <p><b>Eye</b></p> <p><b>Ingestion</b></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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<p><b>5. FIRE-FIGHTING MEASURES</b></p>	<p>This product is not combustible or explosive but see section 10.</p>												
<p><b>6. ACCIDENTAL RELEASE MEASURES</b></p>	<p>Personal Precautions - See Section 8.  Remove using normal housekeeping measures.  Dispose in an approved dump.</p>												
<p><b>7. HANDLING AND STORAGE</b></p> <p><b>Handling</b></p> <p><b>Storage</b></p>	<p>Avoid contact with skin and eyes. Fresh material could attack metals.  Store in dry conditions on a pallet protected by shrink-wrapping.</p>												
<p><b>8. EXPOSURE CONTROLS, PERSONAL PROTECTION</b></p> <p><b>Occupational Exposure Limits</b></p>	<p>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.</p> <table border="0"> <tr> <td>Phosphate Binder (H<sub>3</sub>PO<sub>4</sub>) (CAS NO. 7664-38-2)</td> <td>1.0 mg/m<sup>3</sup> 2.0 mg/m<sup>3</sup></td> <td>8 hr TWA (OEL) 15 Min Period (STEL)</td> </tr> <tr> <td>Respirable Crystalline Silica (CAS NO. 14808-60)</td> <td>0.1 mg/m<sup>3</sup></td> <td>8 hr TWA</td> </tr> <tr> <td>Product Total Inhalable Dust</td> <td>10 mg/m<sup>3</sup></td> <td>8 hr TWA</td> </tr> <tr> <td>Respirable Dust</td> <td>4 mg/m<sup>3</sup></td> <td>8 hr TWA</td> </tr> </table>	Phosphate Binder (H <sub>3</sub> PO <sub>4</sub> ) (CAS NO. 7664-38-2)	1.0 mg/m <sup>3</sup> 2.0 mg/m <sup>3</sup>	8 hr TWA (OEL) 15 Min Period (STEL)	Respirable Crystalline Silica (CAS NO. 14808-60)	0.1 mg/m <sup>3</sup>	8 hr TWA	Product Total Inhalable Dust	10 mg/m <sup>3</sup>	8 hr TWA	Respirable Dust	4 mg/m <sup>3</sup>	8 hr TWA
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<p><b>9. PHYSICAL AND CHEMICAL PROPERTIES</b></p> <p><b>Form</b></p> <p><b>Colour</b></p> <p><b>pH</b></p>	<p>Wet plastic mix containing aggregates.  Buff / Grey  Approx 3 - 4  May emit Phosphorus Oxides on heating for the first time.</p>												
<p><b>10. STABILITY AND REACTIVITY</b></p>	<p>This product is stable and generally unreactive in a dry environment at ambient temperatures.</p>												



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<b>11. TOXICOLOGICAL INFORMATION</b>	<p>This product provides little threat to human health within the normal standards of industrial hygiene.</p> <p>See also section 3.</p>
<b>12. ECOLOGICAL INFORMATION</b>	<p>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.</p>
<b>13. DISPOSAL CONSIDERATIONS</b>	<p>Unused material can be disposed of in approved landfill sites in accordance with local regulations.</p> <p>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.</p>
<b>14. TRANSPORT INFORMATION</b>	<p>No special requirements not classified as hazardous according to international transport regulations.</p>
<b>15. REGULATORY INFORMATION</b>  <b>Product Classification and Labelling</b>	<p>Symbol: Not subject to classification. R-phrases: None. S-phrases: None.</p>
<b>16. OTHER INFORMATION</b>	<p>This safety data sheet has been prepared in accordance with EC Directive 91/155/EEC and current UK and EC legislation.</p>

