

**ANH Refractories Europe Ltd**

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## SAFETY DATA SHEET

<b>1. PRODUCT IDENTIFICATION</b>	This Safety Data Sheet covers the product below.
<b>Commercial Name</b>	PHOXBOND MORTAR
<b>Description</b>	Refractory mortar (wet)
<b>Manufacturer</b>	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
<b>2. INFORMATION ON INGREDIENTS</b>	Refractory Aggregates >50 ≤100% CAS NO. 1344-28-1 Phosphate Binder >5 ≤25% CAS NO. 13530-50-2
<b>3. HAZARD IDENTIFICATION</b>	The phosphate binder is corrosive and can damage skin and eyes.  As the product is supplied wet, it does not provide an inhalation problem.
<b>4. FIRST AID MEASURES</b>	
<b>Inhalation</b>	Not applicable in supplied state.
<b>Skin</b>	Remove contaminated clothing and wash affected area with soap and water.
<b>Eye</b>	Flush eyes with plenty of clean water / saline. Seek medical attention.
<b>Ingestion</b>	Wash out mouth with water and give plenty of water to drink. Seek medical attention.



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<b>5. FIRE-FIGHTING MEASURES</b>	This product is not combustible or explosive but see section 10.						
<b>6. ACCIDENTAL RELEASE MEASURES</b>	<p>Personal Precautions - See Section 8.</p> <p>Remove using normal housekeeping measures.</p> <p>Dispose in an approved dump. This material is a "Special Waste" under the Control of Pollution Regs 1980.</p>						
<b>7. HANDLING AND STORAGE</b>							
<b>Handling</b>	Control the environment to ensure compliance with current occupational exposure limits.						
<b>Storage</b>	Store in dry conditions ideally between 10 - 25°C on a pallet protected by shrink-wrapping.						
<b>8. EXPOSURE CONTROLS, PERSONAL PROTECTION</b>	<p>Mechanical ventilation is recommended wherever feasible for evacuation of dust during handling operations.</p> <p>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>						
<b>Occupational Exposure Limits</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Alumina (Al<sub>2</sub>O<sub>3</sub>) (CAS NO. 1344-28-1)</td> <td style="width: 20%; text-align: center;">10 mg/m<sup>3</sup> 4 mg/m<sup>3</sup></td> <td style="width: 20%; text-align: center;">8 hr TWA (INHAL) 8 hr TWA (RESP)</td> </tr> <tr> <td>Phosphate Binder (CAS NO. 13530-50-2)</td> <td style="text-align: center;">1.0 mg/m<sup>3</sup> 2 mg/m<sup>3</sup></td> <td style="text-align: center;">8 hr TWA (OEL) 15 Min Period (STEL)</td> </tr> </table>	Alumina (Al <sub>2</sub> O <sub>3</sub> ) (CAS NO. 1344-28-1)	10 mg/m <sup>3</sup> 4 mg/m <sup>3</sup>	8 hr TWA (INHAL) 8 hr TWA (RESP)	Phosphate Binder (CAS NO. 13530-50-2)	1.0 mg/m <sup>3</sup> 2 mg/m <sup>3</sup>	8 hr TWA (OEL) 15 Min Period (STEL)
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<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>							
<b>Form</b>	Viscous aqueous suspension of fine solids.						
<b>Colour</b>	Grey						
<b>10. STABILITY AND REACTIVITY</b>	This product is stable in air, but may react with clean Aluminium or Zinc to evolve Hydrogen. May evolve phosphorus oxides on heating for the first time.						



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<b>11. TOXICOLOGICAL INFORMATION</b>	This product is classified as corrosive due to its low pH.
<b>12. ECOLOGICAL INFORMATION</b>	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.
<b>13. DISPOSAL CONSIDERATIONS</b>	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.
<b>14. TRANSPORT INFORMATION</b>	No special requirements not classified as hazardous according to international transport regulations.
<b>15. REGULATORY INFORMATION</b>  <b>Product Classification and Labelling</b>	Symbol: Not subject to classification. S-phrases: None.
<b>16. OTHER INFORMATION</b>	This safety data sheet has been prepared in accordance with EC Directive 91/155/EEC and current UK and EC legislation.