

# WOLVERHAMPTON ABRASIVES LTD

## HEALTH AND SAFETY DATA SHEET

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Material Safety Data Sheet according to 93/112/EC

*Product Name:* **Sinterball**  
*Grades:* **Various grades as per technical data sheet**

*Issue date:* **May 2005** *Page:* 1(4)

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### 1. Chemical Product and Company Identification

*Product Name:* **Sinterball**  
*Supplier:* **Wolverhampton Abrasives Ltd**  
**Orgreave Drive**  
**Handsworth, Sheffield**  
**South Yorkshire ENGLAND**  
**Phone Number: +44(0)1142 540742**  
**Fax Number : +44(0)1142 540913**

*In case of emergency call:* **Wolverhampton Abrasives Ltd**  
**Phone Number: +44(0)1142 540742**

*Contact:* **Richard Paddison**

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### 2. Composition / Information on Ingredients

<i>Chemical composition:</i>		%
<i>Aluminium Oxide ( Al<sub>2</sub>O<sub>3</sub> )</i>		79.70
<i>Titanium Oxide ( TiO<sub>2</sub> )</i>	1.82	
<i>Calcium/Magnesium Oxide</i>		0.83
<i>Potassium/Sodium Oxide</i>		0.43
<i>Silicon Oxide</i>		4.21
<i>Iron Oxide(Fe<sub>2</sub>O<sub>3</sub>)</i>	13.00	
<i>Free Silica</i>	<	0.10

Sinterball is a spherical aluminum oxide

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**3. Potential Health Hazards:**

Eyes and throat can become irritated when exposed to too high concentrations in short term.  
There is no significant immediate health, physical or environmental hazards.

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**4. First Aid Measures**

<i>Inhalation:</i>	<b>Remove to fresh air.</b>
<i>Skin:</i>	<b>Wash with soap and water.</b>
<i>Eye:</i>	<b>Immediately wash with plenty of water. If irritation persists, consult physician.</b>
<i>Ingestion:</i>	<b>Give water to drink, wash mouth out if appropriate.</b>
<i>Advice to physician:</i>	<b>No specific advice. Treat according to symptoms present.</b>

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**5. Fire Fighting Measures**

**Not applicable**

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**6. Accidental Release Measures**

<i>Personal protection:</i>	<b>Wear recommended personal protective equipment.</b>
<i>Procedure for cleaning and recollection:</i>	<b>Sweep up creating the minimum amount of dust. Collection in container, e.g. mini bulk bag or drum.</b>

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**7. Handling and storage**

<i>Handling:</i>	<b>Avoid breathing dust. Avoid spillage which can cause slippery floors. Use good personal hygiene and housekeeping.</b>
<i>Storage recommendations:</i>	<b>Keep material in dry warehouse.</b>
<i>Storage class:</i>	<b>Not applicable.</b>

**8. Exposure controls / Personal protection**

<i>Engineering controls:</i> <b>handling</b>	<b>Use adequate ventilation if dusty conditions prevail when the product. For storage and ordinary handling, general ventilation is adequate.</b>
<i>Exposure guidelines, Dust:</i>	<b>Total dust &lt; 10 mg/m<sub>3</sub> 8 hour TWA Respirable dust &lt; 4 mg/m<sub>3</sub> 8 hour TWA</b>
<i>Respiratory protection:</i>	<b>Blasting operators should use a CE marked or HSE approved shotblasting helmet. Ancillary workers should use a P2 dust respirator.</b>
<i>Skin protection:</i>	<b>Protective garments.</b>
<i>Eye protection:</i>	<b>Blasting helmet as above or goggles.</b>

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**9. Physical and Chemical Properties**

<i>Appearance:</i>	
<i>Physical state:</i>	<b>Round spheres</b>
<i>Colour:</i>	<b>BLACK</b>
<i>Odour:</i>	<b>None</b>
<i>Safety relevant data:</i>	
<i>Melting point:</i>	<b>2000 C</b>
<i>Lower explosion limit:</i>	<b>Not applicable.</b>
<i>Upper explosion limit:</i>	<b>Not applicable</b>
<i>Specific gravity:</i>	<b>3.77 kg/dm<sub>3</sub></b>
<i>Bulk density:</i>	<b>2100 kg/dm<sub>3</sub></b>
<i>Hardness:</i>	<b>9 Mohs</b>
<i>Solubility in water:</i>	<b>None.</b>

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**10. Stability and Reactivity**

**Stable under normal conditions.**

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**11. Toxicological Information**

<i>Immediate (acute) effects:</i>	<b>Not applicable.</b>
<i>Delayed (subchronic and chronic) effects:</i>	<b>Not applicable.</b>
<i>Other data:</i>	<b>Dust in concentration above the max. recommended concentrations might cause irritation of eyes and throat, and if inhaled over a prolonged period of time, constitute a health hazard</b>

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**12. Ecological Information**

Not hazardous.

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**13. Disposal Considerations.**

Discard as non-hazardous inert solid waste in as supplied form according to applicable local regulations.

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**14. Transport Information**

*Land Transport:*  
ADR Not regulated  
GGVS Not regulated  
RID Not regulated  
GGVE Not regulated

*Identification of the product:*

*Danger number* UN nr:

*River / Canal-transport:*  
ADNR Not regulated

*Sea-Transport:*  
IMDG/GGVSea-code Not regulated  
EmS MFAG

*Air-transport:*  
ICAO/IATA-DGR Not regulated

*Other Information:* May be sent by mail.

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**15. Regulatory Information**

*Danger symbols:* not applicable

*National regulations:* not applicable

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**16. Other Information**

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