

# WOLVERHAMPTON ABRASIVES LTD

## HEALTH AND SAFETY DATA SHEET

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Material Safety Data Sheet according to 93/112/EC

*Product Name:* **Walnut Shell**  
*Grades:* **All grades**

*Issue date:* **September 2003**

*Page:* 1(4)

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### 1. Chemical Product and Company Identification

*Product Name:* **Walnut Shell**  
*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>Silica Oxide ( SiO<sub>2</sub> )</i>	<i>35.00</i>
<i>Iron Oxide(Fe<sub>2</sub>O<sub>3</sub>)</i>	<i>33.00</i>
<i>AluminiumOxide ( Al<sub>2</sub>O<sub>3</sub> )</i>	<i>23.00</i>
<i>Magnesium Oxide(MgO)</i>	<i>7.00</i>
<i>Magnese Oxide (MgO)</i>	<i>1.00</i>
<i>Calcium Oxide (CaO)</i>	<i>1.00</i>

*Free Silica* < *1.00*

**Organic granules of vegetable origin from natural walnut shell**

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### 3. Potential Health Hazards:

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

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**4. First Aid Measures**

*Inhalation:* Remove to fresh air, give water to drink.  
*Skin:* Wash with soap and water.  
*Eye:* Immediately wash with plenty of water.  
If irritation persists, consult physician.  
*Ingestion:* Give water to drink.  
*Advice to physician:* No specific advice.  
Treat according to symptoms present.

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**5. Fire Fighting Measures**

Not applicable

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**6. Accidental Release Measures**

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

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**7. Handling and storage**

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

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**8. Exposure controls / Personal protection**

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

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**9. Physical and Chemical Properties**

*Appearance:*

*Physical state:* **Solid, angular granules**  
*Colour:* **Light brown**  
*Odour:* **None**

*Safety relevant data:*

*Melting point:* **198 C**  
*Lower explosion limit:*  
*Upper explosion limit:* **Not applicable**  
*Specific gravity:* **0.5 kg/dm<sup>3</sup>**  
*Bulk density:* **0.45 – 0.65 kg/dm<sup>3</sup>**  
*Hardness:* **3 - 4 Mohs**  
*Solubility in water:* **Fluids outside the ph range 4 – 10 will cause decomposition**

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**10. Stability and Reactivity**

**Stable under normal conditions.**

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**11. Toxicological Information**

*Immediate (acute) effects:* **Not applicable.**

*Delayed (subchronic and chronic) effects:* **Not applicable.**

*Other data:* **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**

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**12. Ecological Information**

**Not hazardous.**

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**13. Disposal Considerations.**

**Discard as non-hazardous inert solid waste according to applicable local regulations. Special disposal procedures may apply to spent abrasive which may contain other materials derived from the substrate being cleaned.**

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**14. Transport Information**

*Land Transport:*

<i>ADR</i>	<b>Not regulated</b>
<i>GGVS</i>	<b>Not regulated</b>
<i>RID</i>	<b>Not regulated</b>
<i>GGVE</i>	<b>Not regulated</b>

*Identification of the product:*

*Danger number* **UN nr:**

*River / Canal-transport:*

*ADNR* **Not regulated**

*Sea-Transport:*

<i>IMDG/GGVSea-code</i>	<b>Not regulated</b>
<i>EmS MFAG</i>	

*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**

**The information contained in this document is to the best of our knowledge accurate, but is given without warrant to its accuracy, reliability or completeness. Since the circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which may result directly or indirectly from the use of such information.**

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