

WOLVERHAMPTON ABRASIVES LTD

HEALTH AND SAFETY DATA SHEET

Material Safety Data Sheet according to 93/112/EC

Product Name: **Metallic Abrasive**
Grades: **Chilled Iron, Steel Shot, Washot and Steel Grit**

Issue date: **September 2003** *Page:* 1(4)

1. Chemical Product and Company Identification

Product Name: **Chilled Iron, Steel Shot, Washot and Steel Grit**
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**

2. Composition / Information on Ingredients

<i>Chemical composition:</i>	%
<i>Silica Oxide (SiO₂)</i>	35.00
<i>Iron Oxide(Fe₂O₃)</i>	33.00
<i>Aluminium Oxide (Al₂O₃)</i>	23.00
<i>Magnesium Oxide(MgO)</i>	7.00
<i>Magnese Oxide (MgO)</i>	1.00
<i>Calcium Oxide (CaO)</i>	1.00
 <i>Free Silica</i>	 < 0.10

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.

Trade Name: **Chilled Iron, Steel Shot, Washot and Steel Grit**

Issue date: **September 2003**

Page: 2(4)

4. First Aid Measures

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

5. Fire Fighting Measures

Not applicable

6. Accidental Release Measures

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

7. Handling and storage

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

8. Exposure controls / Personal protection

<i>Engineering controls:</i> handling	Use adequate ventilation if dusty conditions prevail when the product. For storage and ordinary handling, general ventilation is adequate.
<i>Exposure guidelines, Dust:</i>	Total dust < 10 mg/m³ 8 hour TWA Respirable dust < 4 mg/m³ 8 hour TWA
<i>Respiratory protection:</i>	Blasting operators should use a CE marked or HSE approved shotblasting helmet. Ancillary workers should use a P2 dust respirator.
<i>Skin protection:</i>	Protective garments.
<i>Eye protection:</i>	Blasting helmet as above or goggles.

Product Name: **Chilled Iron, Steel Shot, Washot and Steel Grit**

Issue date: **September 2003**

Page: 3(4)

9. Physical and Chemical Properties

Appearance:

Physical state: **Metallic partides**
Colour: **Grey**
Odour: **None**

Safety relevant data:

Melting point: **1300- 1500 degrees C**
Lower explosion limit: **Not applicable, (ferrous particles of less than 0.5mm can engage in exothermic oxidation)**
Upper explosion limit: **Not applicable**
Specific gravity: **7.0 kg/dm₃**
Bulk density: **4500 kg/dm₃**
Hardness: **Varying, from minimum 41 Rockwell C**
Solubility in water: **None; but will corrode (rust)**

10. Stability and Reactivity

Stable under normal conditions.

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**

12. Ecological Information

Not hazardous.

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.

Material Safety Data Sheet according to 93/112/EC

Product Name: **Chilled Iron, Steel Shot, Washot and Steel Grit**

Issue date: **September 2003**

Page: 4(4)

14. Transport Information

Land Transport:

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

Identification of the product:

Danger number **UN nr:**

River / Canal-transport:

ADNR **Not regulated**

Sea-Transport:

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

Air-transport:

ICAO/IATA-DGR **Not regulated**

Other Information:

May be sent by mail.

15. Regulatory Information

Danger symbols: **not applicable**

National regulations: **not applicable**

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.
