

WOLVERHAMPTON ABRASIVES LTD

HEALTH AND SAFETY DATA SHEET

Material Safety Data Sheet according to 93/112/EC

Product Name: **Brown and White Aluminium Oxide (Alublast)**
Grades: **Various grades as per technical data sheet**

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

1. Chemical Product and Company Identification

Product Name: **Alublast**
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>Aluminium Oxide (Al₂O₃)</i>	<i>min 96.20</i>
<i>Titanium Dioxide (TiO)</i>	<i>max. 2.85</i>
<i>Silica Oxide (SiO₂)</i>	<i>max 0.50</i>
<i>Magnesium Oxide (MgO)</i>	<i>max 0.30</i>
<i>Calcium Oxide (CaO)</i>	<i>max. 0.30</i>
<i>Iron Oxide (Fe₂O₃)</i>	<i>max 0.15</i>
<i>Free Silica</i>	<i>< 0.10</i>

Alublast is produced from virgin fused aluminium oxide.

Trade Name: **Brown and White Aluminium Oxide (Alublast)**

Issue date: **November 2003**

Page: 2(4)

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.

4. First Aid Measures

<i>Inhalation:</i>	Remove to fresh air.
<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 cleaning 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.

9. Physical and Chemical Properties

<i>Appearance:</i>	
<i>Physical state:</i>	Solid, angular granules
<i>Colour:</i>	Dark brown or White
<i>Odour:</i>	None
<i>Safety relevant data:</i>	
<i>Melting point:</i>	2000 C
<i>Lower explosion limit:</i>	Not applicable.
<i>Upper explosion limit:</i>	Not applicable
<i>Specific gravity:</i>	3.7-4.5 kg/dm₃
<i>Bulk density:</i>	2500 kg/dm₃
<i>Hardness:</i>	9-9.2 Mohs
<i>Solubility in water:</i>	None.

10. Stability and Reactivity

Stable under normal conditions.

11. Toxicological Information

<i>Immediate (acute) effects:</i>	Not applicable.
<i>Delayed (subchronic and chronic) effects:</i>	Not applicable.
<i>Other data:</i>	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.

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.

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:

<i>Danger number</i>	UN nr:
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River / Canal-transport:

<i>ADNR</i>	Not regulated
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Sea-Transport:

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

Air-transport:

<i>ICAO/IATA-DGR</i>	Not regulated
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Other Information:

May be sent by mail.

15. Regulatory Information

<i>Danger symbols:</i>	not applicable
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<i>National regulations:</i>	not applicable
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16. Other Information

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