



SAFETY DATA SHEET

1. Identification of the substance/preparation and the company

BROWN FUSED ALUMINA

Richard Baker Harrison Ltd
253 Cranbrook Road
Ilford
Essex IG1 4TQ

Tel: 020 8554 0102
Fax: 020 8554 9282
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2. Composition/information on ingredients

Alpha Alumina 96 – 100%

Titanium Dioxide 0 – 4%

3. Hazards identification

Not hazardous. The product is inert, so it does not form any explosive or flammable blend.

As with all dusts, inhalation should be avoided.

4. First-aid measures

| | |
|------------------------|---|
| First Aid – Eyes | Treat symptomatically for mechanical irritation. Flush lightly with clean water. |
| First Aid – Skin | Powder may cause drying of the skin with repeated or prolonged contact. Wash with soap and water. |
| First Aid – Ingestion | Rinse mouth out with water. |
| First Aid – Inhalation | Temporary discomfort to upper respiratory tract may occur due to inhalation of high dust levels. Remove to fresh air. |

If any symptoms develop, seek medical aid.

5. Fire-fighting measures

Non flammable and not explosive – no special precautions necessary.

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6. Accidental release measures

Collect dry powder using a vacuum cleaner or other means where dust is not generated.

Avoid powder spillage as a possible cause of slipping.

7. Handling and storage

Handling Appropriate controls should be used to avoid generating dust when handling dry powders.

Storage Powders should be stored at ambient temperature in a dry covered area. The product should be stored in sealed bags, away from humidity in a well ventilated area if possible.

8. Exposure controls/Personal protection

Respiratory protection Use appropriate engineering controls to avoid dust generation when handling powders. Ensure that all occupational exposure standards are observed.

Skin protection Substance may have a drying effect on the skin. Maintain good standards of industrial hygiene.

Eye protection Eyewash should be available, eye protection is recommended.

9. Physical and chemical properties

| | |
|----------------------|----------------------|
| Form: | powder |
| Odour: | odourless |
| Melting point | NA |
| Boiling point: | NA |
| Explosive properties | None |
| Relative density | 2.55 |
| Solubility | Relatively insoluble |

10. Stability and reactivity

Conditions to avoid Protect against moisture

Material to avoid None known

Hazardous decomposition products None known

11. Toxicological information

| | |
|--------------|---|
| Inhalation | Temporary discomfort or mechanical irritation to the upper respiratory tract may occur due to inhalation of high dust concentrations. No acute effects expected |
| Skin contact | No determined toxicological effects. |
| Ingestion | No determined toxicological effects. |
| Eyes | High dust concentrations may cause mechanical irritation. |

OEL mg/m³ 8 hr TWA

| | |
|------------------|----------------------|
| Alpha Alumina | 4 (OES) Respirable |
| Titanium Dioxide | 4 (OES) Respirable |

12. Ecological information

| | |
|-------------------------|--|
| Environmental Statement | Brown Fused Alumina is persistent and non-biodegradable but is unlikely to have any long term effect on the environment. |
| Mobility | Solid. Involatile. Insoluble in water. |
| Degradability | Non-biodegradable. Persistent. |
| Accumulation | No bio-accumulation or bio-magnification identified. |

13. Waste disposal information

Brown Fused Alumina may be disposed of as non toxic/inactive materials in approved landfill sites in accordance with local regulations.

14. Transport information

Brown Fused Alumina is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

15. Regulatory information

Brown Fused Alumina is not classified as dangerous to supply under EU or UK national regulations.

16. Additional information

Workers should be trained to handle these products without generating airborne dust or spillages.

1. Carriage of Dangerous Goods (Classification, Packaging and Labelling) Regulations.
2. Chemicals (Hazard Information and Packaging for supply) Regulations.
3. Control of Substances Hazardous to Health Regulations.
4. Dust : General Principles of Protection (EH44).
5. Environmental Hygiene Guidance (EH40).