



MATERIAL SAFETY DATA SHEET

BROWN FUSED ALUMINA

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Identification

Product Name : Brown Fused Alumina

Other Names : Fused Alumina, Alumina, Aluminium Oxide

Recommended Uses : Production of Refractories, Abrasives and Ceramics

Supplier Identification

Company : Quick Minerals Group LLC

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2. HAZARD IDENTIFICATION

Risk phrases (R-Phrases) : None

Safety Phrases (S-Phrases) : None

Potential Health Effects Acute

Swallowed : No known adverse effects.

Eye : May irritate eyes due to granular particle nature.

Skin : Not absorbed through skin. May cause abrasions.

Inhaled : Low health risk by inhalation. May cause coughing and shortness of breath.

Chronic : There have been no reports in the literature of health effects in workers arising from long term exposure to this substance, and no comprehensive human studies have been conducted. No animal studies have been conducted for long term effects.



3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients (typical)	Chemical formula	CAS Number	Proportion (%)
Aluminium Oxide	Al ₂ O ₃	1344-28-1	≥ 94.0

4. FIRST AID MEASURES

Swallowed	: Drink large amounts of water. Do not induced vomiting. Consult a doctor immediately.
Eyes	: Hold eyelids open and wash continuously with water for 15 minutes. Do not rub eyes. Seek medical attention.
Skin	: No irritation is likely to develop following contact with skin. Remove clothing and wash off with soap and water. Contact a doctor if an irritation persists.
Inhaled	: Remove from exposure to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.
First Aid Facilities	: No special requirements.
Advise to physician	: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flashpoint	: None
Flammability Limits	: Non-flammable
General Hazard	: This product is not flammable and does not support combustion.
Extinguishing Media	: Use media suitable for the material that is burning.

6. ACCIDENTAL RELEASE MEASURES

Spills and disposal	: Clean up by sweeping and collection of dry material, avoid dusting. Wear safety equipment as for normal handling. Avoid generating dust. Vacuum up if possible, otherwise sweep up & re-cycle. If the spilled product is not suitable for re-use, damp down, collect and where possible return to manufacturer for reprocessing. Any disposal to an approved landfill site and cover with clean fill
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shall be conducted in accordance with State/Local Council regulations.

7. HANDLING AND STORAGE

Handling : Avoid breathing dust. Suitable dust controls, including wearing a suitable respirator, should be utilized when handling bulk materials.

Storage : Keep dry.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Standards:

Chemical Name	CAS Number	Proportion (wt. %)
Aluminium Oxide (Alumina)	1344-28-1	≥94.0

Engineering Controls : Use with adequate ventilation. Limit dust formation as far as possible to meet exposure limits listed above.

Personal Protection : Use dust respirator and face mask to cover eyes, nose & mouth. The use of impervious gloves & protective clothing is recommended to reduce unnecessary contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Brown crystalline powder or granules

Boiling Point : Not Applicable

Melting Point : 2050°C

Vapour Pressure : Not applicable

Specific Gravity : 3.90

Flashpoint : None

Flammability Limits : Non-flammable

Solubility : Insoluble in water, soluble in some concentrated acids (pH <4) and alkalies (pH >9) at high temperature.



Bulk Density : 3.55 – 3.75 g/cm³

Additional Information : Not Applicable

10. STABILITY AND REACTIVITY

Reactivity : Inert

Chemical Stability : Stable

Incompatibilities : None in normal or expected use

Decomposition : Decomposition will not occur

11. TOXICOLOGICAL INFORMATION

This product is non-toxic. Refer to section 2 – Hazards Identification.

12. ECOLOGICAL INFORMATION

This material is unlikely to cause any environmental damage. It is insoluble in water and is unlikely to contaminate waterways or food chains.

13. DISPOSAL CONSIDERATION

Disposal must be in accordance with Federal, State and Local Council regulations. If approved, may be transferred to an approved landfill site.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

Contaminated packaging

No special cleaning necessary, recovery or waste disposal.

15. REGULATORY INFORMATION

This product is not a hazardous and need not to be labeled.

16. OTHER INFORMATION

The Information provided in this safety Data sheet is correct to the best of our Knowledge information and belief at the date of its publication .The information given is designed only as a guidance for safe handling, processing, use, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the



specific material designated and is not valid for such material used in combination with any other materials or in any process.

Date:

For, Quick Minerals Group LLC

SEAL

(Authorized Signatory)