

MATERIAL SAFETY DATA SHEET

FUSED BROWN ALUMINIUM OXIDE

Material Safety Data Sheet
Prepared in accordance with GHS

1. Identification of Substance:

Product Details:

Trade Name: FUSED BROWN ALUMINIUM OXIDE

Supplier:

Caswell Australia P/L
25 Birch Court, Wyndham Vale, Victoria 3029

A.B.N. 83 113463 291

Email: sales@caswellplating.com.au

Tel: +613 9741 7103

2. Hazard identification:

Not classified as hazardous according to criteria of Worksafe Australia

Hazard designation: N/A

Information pertaining to particular hazards for man and environment: Void
Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from Technical literature and by information furnished by supplier companies.

3. Typical Composition/Data on components:

CAS No: 1344-28-1

Chemical Characterization: Fused Brown Aluminium Oxide %

Al ₂ O ₃	> 94.5
TiO ₂	1.50 – 3.80
Fe ₂ O ₃	< 1.0

4. First Aid Measures:

General Information:	No specific measures required.
After Inhalation:	Supply fresh air, consult doctor in case of symptom.
After Skin Contact:	Instantly wash with water and soap and rinse thoroughly. The product is not skin irritating.
After eye contact:	Rinse opened eye for several minutes under running water.
After Swallowing:	Extreme cases seek medical help immediately, call 000 Emergency. In case of persistent symptoms consult your doctor.

5. Fire fighting measures:

Protective equipment: No specific measures required. Material not flammable.

6. Accidental Release measures:

Person related safety precautions:	Avoid causing dust.
Measures for environmental protection:	No specific measures required.
Measures for cleaning/collecting:	Collect mechanically.

Additional Information :
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7. Handling & Storage:

Information for safe handling: Avoid high dust concentrations.

Information about protection against explosions and fires:

Material is non-explosive and not subject to fire hazard.

Storage:

Requirements to be met by storerooms and containers:

Where possible store in enclosed containers to limit dust concentrations.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions: None.

8. Exposure controls and personal protection:

Additional information about design of technical systems:

No further data; see item 7.

Components with critical values that require monitoring at the workplace:

Additional Information:

The lists that were valid during the compilation were used as basis.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the material.

Breathing Equipment:

Use breathing protection in case of insufficient ventilation. Filter P1.

Protection of hands: Protective gloves.

Eye protection: Safety glasses.

Body protection: Protective work clothing.

9. Physical and chemical properties:

Form: Powder / grit

Colour: Brown

Smell: Odourless

Change in Condition:

Melting Point: 2050 Deg. C

Specific Gravity: 3.95 – 4.0

Vapour Density: Not applicable

Vapour Density(air=1) Not applicable

Evaporation rate: Not applicable

Flash Point: Not applicable.

Flammability (solid,gaseous) Not applicable.

Critical Value for explosion: Not applicable.

Solubility in Water/

Miscibility with Water: Insoluble.

10. Stability and reactivity:

Thermal decomposition / Conditions to be avoided.

No decomposition if used according to specifications.

Dangerous reactions:

No dangerous reactions known.

Dangerous products of decomposition:

No dangerous decomposition products known.

11. Toxicological information:

Primary irritant effect:

On the skin: No irritant effect.

On the Eye: Eye exposure (to dust) may produce irritation.

Sensitization: No sensitizing effect known.

Additional toxicological information.

As with any nuisance dust, long term exposure to concentrations of dust above the recommended exposure level may overload lung clearance mechanism and cause adverse lung effects.

12. Ecological Information

Ecotoxicological effects

Aquatic toxicity:

No effect on marine life.

General notes:

Not hazardous for water.

13. Disposal considerations:

Product:

Recommendation:

Must be specially treated under adherence to official regulations.

Waste disposal key number: not determined.

Uncleaned packagings:

Recommendation:

Dispose of packaging to regulations on the disposal of packagings.

14. Transport Information:

Transport/Additional Information.

Not dangerous according to transport specifications.

15. Regulatory information:

Designation according to EC guidelines:

Observe the normal regulations.

The product is not subject to classification according to EC Directives/relevant National laws.

National Regulations:

Water hazard class:

Water hazard class 0: Not hazardous for water.

16. Other Information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact Point:

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Manufactured by: China Henan International (China)