



Safety Data Sheet prepared to UN GHS

1. Identification of the Substance/Mixture and the Company/Undertaking

1.1	Product Identifier:	Brown Aluminium Oxide (Al ₂ O ₃)	Revision Date:	14.11.2019
	Product Name:	Aluminium Oxide (Al ₂ O ₃)	Supercede Date:	New SDS

1.2 Relevant identified uses of the substance or mixture and uses advised against

- (i) Abrasive component in coated and bonded abrasives.
- (ii) For mechanical abrading of work-pieces by surface blasting.
- (iii) Used to create a durable non-slip surface on walkways.

1.3 Details of the supplier of the safety data sheet Importer:

Flowcrete Australia Pty Ltd
 Unit 2, 41 Deakin Street
 Brendale Queensland 4500
 Australia
 Phone: +61 7 3205 7115
 Fax: +61 7 3205 3116
 australia@flowcrete.com
www.flowcreteaustralia.com.au

1.4 Emergency telephone number:

CHEMTREC 1-800-424-9300 (Inside US)
 CHEMTREC +1 703 5273887 (Outside US)

2. Hazard Identification

Health Hazard Classification	This product is classified as not hazardous under Australian GHS criteria.
Hazard Categories	Not hazardous.
Hazardous Statement	Not hazardous.
GHS Pictograms	Not hazardous.
Hazard Statements	Not hazardous.
Precautionary Statements	Not hazardous.
Dangerous Goods	Classification None
Poisons Schedule	None
Signal Word	None

3. Composition/Information On Ingredients

3.2 Mixtures

There are no hazardous ingredients in this material—toxic impurities are not present

4. First-aid Measures

Ingestion:	Do NOT induce vomiting if consumed. Keep at rest and seek medical attention.
Eye contact:	Flush eyes with large amounts of water until irritation subsides. If irritations persist, seek medical attention.
Skin contact:	Flush area with large amounts of water and wash area with soap. If skin irritations persist, seek medical attention.
Inhalation:	Keep at rest, if irritation persist, seek medical attention.
First aid facilities:	Provide eye baths and safety showers.
Medical attention:	If irritations continue, seek further medical attention.

5. Fire-fighting Measures

Extinguishing media:	The material is a non-flammable solid. There are no fire or explosion hazards associated with this material. Aluminium Oxide will not react with water or fire foam.
Combustion products:	The material is a non-flammable solid. There are no fire or explosion hazards associated with this material. Aluminium Oxide will not react with water or fire foam.
Precautions for firefighting:	The material is a non-flammable solid. There are no fire or explosion hazards associated with this material. Aluminium Oxide will not react with water or fire foam.
Hazchem code:	Not applicable

6. Accidental Release Measures

The material is non hazardous—use any convenient and logical method for handling spills.
Dispose of excess or used material in an approved landfill in accordance with local regulations.
No special requirements apply.

7. Handling and Storage

The product is very durable so there is no specific requirement to protect from mechanical shock damage.
Aluminium Oxide grain is not affected by temperature and humidity variations.

Acceptable packaging is in plastic lined, double thickness heavy duty paper, or polypropylene woven bags or another suitable container.

Transportation of 250 kgs or more should be palletised where possible and practical.

8. Exposure Controls/Personal Protection

No specific limits for exposure to this product exist.
The following limits for inspirable dust which may be generated by the product during use.
TLV/TWA of inspirable dust is 10 mg/m³.

Engineering controls: Ventilation

Blasting Operations.

Product must be used with a correctly designed and maintained machine in accordance with the manufacturer's instructions.

Personal Protective Equipment

Personal safety procedures should be in accordance with the general principles for safe working in industry dependant on application.

For blasting operations:

The operator shall wear suitable eye protection. (Mandatory)

Safety aprons, gloves, safety shoes and other protective clothing should be worn as required by the nature of the operation.

Where the operator is exposed to dust being generated the operator should wear an appropriate dust mask.

Hearing protection is recommended for any blasting operation.

9. Physical and Chemical Properties

Property	Typical Value	Unit of Measurement
Appearance	Mid Brown durable granular particles of uniform graded size.	-
Boiling/Melting Point	2980	°C
Vapour Pressure	N/A	kPa
Density	N/A	Kg/L
Flash Point	N/A	°C
Solubility with Water	N/A	g/L

10. Stability and Reactivity

Chemical stability	N/A
Conditions to avoid	The product is very durable so there is no specific requirement to protect from mechanical shock damage. Aluminium Oxide grain is not affected by temperature and humidity variations..
Hazardous decomposition products	N/A
Hazardous reactions	N/A
Hazardous polymerisation	N/A

11. Toxicological Information

Health Effects: Not Applicable in form supplied

12. Ecological Information

This product is classified as not hazardous under Australian GHS criteria.

13. Disposal Considerations

The material is non hazardous—use any convenient and logical method for handling spills.
Dispose of excess or used material in an approved landfill in accordance with local regulations.
No special requirements apply.

14. Transport Information

Road and Rail Transport

UN Number:	This product is classified as not hazardous under Australian GHS criteria.
Proper Shipping Name:	Aluminium Oxide (Al ₂ O ₃)
DG Class:	This product is classified as not hazardous under Australian GHS criteria.
Risk:	This product is classified as not hazardous under Australian GHS criteria.
Pack Group:	This product is classified as not hazardous under Australian GHS criteria.
Hazchem:	This product is classified as not hazardous under Australian GHS criteria.

Marine Transport

UN Number:	This product is classified as not hazardous under Australian GHS criteria.
Proper Shipping Name:	Aluminium Oxide (Al ₂ O ₃)
DG Class:	This product is classified as not hazardous under Australian GHS criteria.
Risk:	This product is classified as not hazardous under Australian GHS criteria.
Pack Group:	This product is classified as not hazardous under Australian GHS criteria.
Hazchem:	This product is classified as not hazardous under Australian GHS criteria.

Air Transport

UN Number:	This product is classified as not hazardous under Australian GHS criteria.
Proper Shipping Name:	Aluminium Oxide (Al ₂ O ₃)
DG Class:	This product is classified as not hazardous under Australian GHS criteria.
Risk:	This product is classified as not hazardous under Australian GHS criteria.
Pack Group:	This product is classified as not hazardous under Australian GHS criteria.
Hazchem:	This product is classified as not hazardous under Australian GHS criteria.

15. Regulatory Information

Country/Region:	Australia
Inventory:	Not available
Status:	Not available
Poisons Schedule:	Not available

16. Other Information

AICS:	Australian Inventory of Chemical Substances
CAS Number:	Chemical Abstracts Number
IARC:	International Agency for Research on Cancer
NOHSC:	National Occupational Health and Safety Council
GHS:	Global Harmonised System

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.