



## Safety Data Sheet prepared to UN GHS

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

<b>1.1</b>	<b>Product Identifier:</b>	<b>White Aluminium Oxide (Al<sub>2</sub>O<sub>3</sub>)</b>	<b>Revision Date:</b>	14.11.2019
	<b>Product Name:</b>	Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	<b>Supercede Date:</b>	New SDS
	<b>Synonyms:</b>	Aluminum oxide, alumina, aluminium sesquioxide, alundum, abramant, Alumite, Conopal, corundum, dispal M, diadur, dotment 324, dural, exolon XW 60, faserton, jubenon R, ketjen B, lucalox, ludox CL, martoxin, Poraminar, Microgrit WCA, Ludox CL and numerous other trade names		
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Adsorbent, refractory material, catalyst, GC analysis component		
<b>1.3</b>	<b>Details of the supplier of the safety data sheet Importer:</b>	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 <a href="http://www.flowcreteaustralia.com.au">www.flowcreteaustralia.com.au</a>		
<b>1.4</b>	<b>Emergency telephone number:</b>	CHEMTREC 1-800-424-9300 (Inside US) CHEMTREC +1 703 5273887 (Outside US)		

### 2. Hazard Identification

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

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

### 5. Fire-fighting Measures

<b>Extinguishing media:</b>	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.
<b>Combustion products:</b>	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.
<b>Precautions for firefighting:</b>	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.
<b>Hazchem code:</b>	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.

Stable. Incompatible with strong acids, strong bases, ethylene oxide, halocarbons, OF<sub>2</sub>, sodium nitrate, vinyl acetate.

### 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/m<sup>3</sup>.

**Personal Protective Equipment**

Minimise exposure.

**9. Physical and Chemical Properties**

Property	Typical Value	Unit of Measurement
Appearance	White durable granular particles of uniform graded size or powder.	-
Boiling	2977	°C
Melting Point	2030	°C
Vapour Pressure	1mm Hg at 2158	°C
Specific Gravity	4.0	-
Flash Point	N/A	°C
Solubility with Water	Negligible	g/L
Exposure Point	N/A	°C

**10. Stability and Reactivity**

<b>Chemical stability</b>	Stable
<b>Conditions to avoid</b>	Incompatible with strong acids, strong bases, ethylene oxide, halocarbons, OF <sub>2</sub> , sodium nitrate, vinyl acetate.
<b>Hazardous decomposition products</b>	N/A
<b>Hazardous reactions</b>	Incompatible with strong acids, strong bases, ethylene oxide, halocarbons, OF <sub>2</sub> , sodium nitrate, vinyl acetate.
<b>Hazardous polymerisation</b>	N/A

**11. Toxicological Information**

Not hazardous according to Directive 67/548/EEC. 8h TWA typically 10mg m<sup>-3</sup>.  
IHL-MOUSE TCLO 352 mg m<sup>-3</sup>

**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**

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