

SECTION 1: IDENTIFICATION

Product Name Aluminium Oxide
Other Names: alpha-Alumina, Aluminium Trioxide, Corundum
Chemical Family: N/A
Molecular Formula: Al_2O_3
Recommended Use: N/A

Supplier information

New Zealand Decorative Concrete Ltd T/A Permacolour
42A Egmont Road, Waiwhakaiho, New Plymouth
0508 444 555 or 06 755 3320
www.permacolour.co.nz

SECTION 2: HAZARDS IDENTIFICATION

Product is classified as non-hazardous according to Schedules 1 to 6 of the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act, 1996.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Aluminium Oxide	Al_2O_3	1344-28-1	100%

SECTION 4: FIRST AID MEASURES

For advice, contact National Poison Centre (Phone New Zealand: 0800 764 766) or a doctor.

Swallowed	If swallowed, do not induce vomiting. Give small quantities of water or milk.
Eye	Flush out with a gentle stream of clean water for about 10 minutes.
Skin	Wash with water
Inhaled	Remove any obstruction to the air passages. Remove the patient from the effected area to an area of clean air.

SECTION 7: HANDLING AND STORAGE

Storage & Transportation:	Store in original bags in a dry, well ventilated environment under cover.
Spills & Disposal:	May be swept or shovelled and buried.
Fire/Explosion Hazard:	Non-flammable and Non-explosive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin/Body Protection: Wear a NIOSH/MSHA approved dust mask and eye and skin protection.

Exposure Limits (TWA): 10mg/m³ respirable dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	UNIT OF MEASUREMENT	TYPICAL VALUE
Physical State		Powder
Appearance	-	Brown crystalline powder
pH		N/A
Boiling Point/Range	°C	2980
Melting Point	°C	2072
Specific Gravity (Water = 1)	g/cm ³	3.7
Solubility in Water		Insoluble
Molecular Weight		101.96

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Contact: Irritation to cornea
Swallowed: No effects reported
Skin Contact: Excessive concentrations may cause mild irritation to the skin due to abrasion
Inhalation: Irritation to lungs, coughing or choking may occur.

SECTION 12: ECOLOGICAL INFORMATION

Product is non-biodegradable / Non-toxic

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: May be swept or shovelled and buried.

SECTION 14: TRANSPORT INFORMATION

Not regulated as a dangerous good for transportation.

SECTION 15: REGULATORY INFORMATION

Country/ Region: New Zealand
Inventory: NZIoC
Status: Listed
Approval Status: Maybe used as a single component chemical under appropriate group standard

SECTION 16: OTHER INFORMATION

Reasons for Issue:

Updating information. Replaces Safety Data Sheet dated March 2014

Abbreviations:

CAS Number: Chemical Abstracts Number
IARC: International Agency for Research on Cancer
NIOSH: National Institute of Occupational Safety & Health
NOHSC: National Occupational Health and Safety Council
NZIoC: New Zealand Inventory of Chemicals
REL: Recommended Exposure Limits

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Permacolour by New Zealand Decorative Concrete.