



SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

IDENTIFICATION

Product Name	White Aluminum Oxide
Usage	Used in Abrasive, Refractory and Industrial applications

COMPANY DETAILS

Company Name	Parmadar Pte Ltd
Address	34 Pioneer Sector 2, Singapore 628389
Telephone	(65) 6861 0328 / (65) 9730 1750
Email Address	sales@parmadar.com

SECTION 2. HAZARDS IDENTIFICATION

Not applicable

Abrasives are not dangerous substances or preparations according to directive 1999/45/EC.

SECTION 3. COMPOSITION

Name	EC Nr (ELINCS/EINES)	CAS N°	Concentration Range	Classification
Aluminium Oxide	215-691-6	1344-28-1	92 – 99%	Non Hazardous
Titanium Dioxide	236-675-5	13463-67-7	1.0 – 4.0%	
Silicon Dioxide	231-545-4	7631-37-1	0.2 – 1.7%	Amorphous
Iron Oxide	215-168-2	1309-37-1	0.1 - 1.5%	

[^] The above chemical composition reading serves as a guideline only. Variations to these results are expected due to variations in raw feed.



SECTION 4. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Grains, Powder
Colour	Brown, Bluish, Grey, Black, White, Pink
Solubility in water	Insoluble

SECTION 5. FIRST AID MEASURES

Inhalation	No special measure required
First Aid	Eye – Flush eyes with plenty of water. Consult physician immediately.
Skin contact through cuts or abrasion	Wash away. No harmful effect
Ingestion	No special action required

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid dust formation
Environmental precautions	No special measures required
Methods for cleaning up	Take up mechanically and dispose of in accordance to regulations

SECTION 7. HANDLING AND STORAGE

Precaution for safe handling	Avoid dust formation
Precautions against fire and explosion	No danger of fire and dust explosion To store in dry place. Product stable under normal condition of use.



SECTION 8. EXPOSURE CONTROLS

Keep exposure to the following components under surveillance:

Name	CAS No.	EC No.	Concentration limits		Short term value
Aluminium Oxide	1344-28-1	215-691-6	10mg m-3	8-hr TWA inhalable dust	N/A
			4mg m-3	8-hr TWA respirable dust	

General control measures Sufficient ventilation should be provided to keep respirable dust concentration low. For dry blasting, the system should include an operative dust collector.

Personal protective measures Approved safety goggle and protective rubber gloves should be worn at all times. Sand blasters should wear respiratory protective equipment fine-dust mask with category P1 filter must be used if fine dust limits are exceeded.

SECTION 9. FIRE FIGHTING MEASURES

Flashpoint Will not burn

Extinguishing Media Water, foam, sand, powder or CO₂ as appropriate for surrounding materials

Fire and Explosion Hazards None

Special Fire Fighting Procedure None

SECTION 10. STABILITY AND REACTIVITY

Stability Stable, no hazardous reactions known.

Reactivity

Conditions to avoid No decomposition in normal use

Materials to avoid No dangerous reactions known

Hazardous decomposition products No hazardous decomposition products known

SECTION 11. TOXICOLOGICAL INFORMATION

Not applicable



SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	No effect known
Mobility	No potentials known
Persistence and degradability	No biodegradable potentials known
Bioaccumulative potential	No potentials known
Other hazardous effects	No effect known

SECTION 13. DISPOSAL

In an event the material is released or soiled, sweep and vacuum material for disposal. Dispose of waste should be in compliance with Federal, State & Local regulations. Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121). Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120).

SECTION 14. TRANSPORTATION

No special precautions necessary.

SECTION 15. REGULATORY INFORMATION

No specific labeling requirements under respective EC directives.

SECTION 16. OTHER INFORMATION

The data are given in good faith and is believed to be useful to the specific material designated. Since we cannot anticipate or control the many conditions under which this information and our products may be used, it is the user's obligation and responsibility to determine the suitability and safety use of the product.