

Sintox & Deranox Materials

1.0 Identification of Substance / Preparation and the Company / Undertaking

Trade Name : **Sintox & Deranox Material**
Product : Fully sintered alumina products for use in engineering applications.
Supplier : Morgan Technical Ceramics
4 Central Park Drive
Central Park
Rugby
Warwickshire
England
CV23 0WE

Tel : +44 (0) 1788 542166
Fax: +44 (0) 1788 539201

2.0 Composition and Information on Ingredients

Chemical Name	CAS N°	EINECS N° / ELNECS N°	Concentration	Hazard Symbol	R Phrase
Aluminium Oxide (as dust)	1344/28/1	-	94-99.9%	-	-

3.0 Hazard Identification

Non-hazardous as bulk solid. If ground, dust may cause irritation to eyes and breathing passages.

Inhalation : If ground, dust should be controlled as nuisance dust.
Skin Contact : None
Eye Contact : If ground, dust is abrasive.
Ingestion : None
Environment : None

4.0 First-Aid Measures

Inhalation : For dust only, remove from exposure to fresh air.
Skin Contact : None.
Eye Contact : For dust only, rinse with plenty of water. Because of the abrasive nature of the dust, slight abrasion may occur if agitated. If symptoms persist, seek medical advice.
Ingestion : For dust only, rinse mouth with water. Seek medical advice.

5.0 Fire Fighting Measure

Product is non-combustible.

Extinguishing Media : Not applicable

Flash Point : Not applicable

Hazardous Products of Combustion : Not applicable

6.0 Accidental Release Measures

No special requirements.

7.0 Handling and Storage

No special requirements.

8.0 Exposure Controls / Personal Protection

Chemical Name	WEL 8 Hrs TWA	WEL 15 mins. STEL
Aluminium Oxide (as dust)	10mg m ⁻³ total inhalable 4mg m ⁻³ respirable	-

Material is brittle. In areas where the material may be physically abraded or chipped, wear suitable protective equipment to protect against abrasive dust (face mask and eye protection) or impact ejection of material – eye protection.

9.0 Physical Properties

Appearance : White or pink solid.
Odour : None.
Melting point : >2000°C
Boiling Point : ~3000°C
Flash Point : Not applicable
Fire Point : Not applicable
Auto-ignition temperature : Not applicable
Flammability : Not applicable
Explosive Properties : Not applicable
Vapour Pressure : Nil
Bulk Density : 3.68 – 3.96 g/cm³
Solubility in water : Insoluble
pH : Not applicable
Viscosity : Not applicable

10.0 Stability And Reactivity

Stability	: Stable under normal conditions.
Hazardous reactions	: None known.
Materials to Avoid	: None known.
Hazardous Decomposition Products	: None known.

11.0 Toxicological Information

Aluminium oxide is not listed as a hazardous material. Dust may be a low toxicity irritant.

12.0 Ecological Information

Aluminium oxide will not decompose, but is present in certain naturally occurring minerals and is not considered as a risk to the environment.

13.0 Disposal Considerations

Disposal should be in accordance with local, state or national regulations.

14.0 Transport Information

Not listed as dangerous for transport.

15.0 Regulatory Information

Classification	: Not classified as hazardous.
Symbol	: None
Risk Phrases	: None.
Safety Phrases	: None.

16.0 Other Information

This sheet has been produced to aid customers.

Hazards concerned with the use of the material will be dependent on the application. It is the responsibility of the user to ensure that the material is used in a safe manner.

The information given is believed to be reliable and is based current knowledge of the material. Information herein, in no way constitutes a specification or contract and no guarantee can be given for its accuracy.