

MATERIAL SAFETY DATA SHEET

Print name: Wednesday Oct 23th 2020

Product name

Fused brown alumina

SECTION 1--Manufacturer

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Section 2--Composition/information on ingredients

		CAS-NO
Alpha Alumina	95%	1344-28-1
silicon dioxide	1.5%	7631-86-9
Iron Oxide	0.5%	1309-37-1
Titanium Dioxide	3%	13463-67-7

SECTION 3-Hazards identification

Not hazardous. The product is inert, so it does not form any explosive or flammable blend. As with all dusts, inhalation should be avoided.

SECTION 4-First-aid measures

First Aid – Eyes Treat symptomatically for mechanical irritation. Flush lightly with clean water.

First Aid – Skin Powder may cause drying of the skin with repeated or prolonged contact. Wash with soap and water.

First Aid – Ingestion Rinse mouth out with water.

First Aid – Inhalation Temporary discomfort to upper respiratory tract may occur due to inhalation of high dust levels. Remove to fresh air.

If any symptoms develop, seek medical aid.

SECTION 5-Fire-fighting measures

Non flammable and not explosive – no special precautions necessary. Skin Contact

SECTION 6-Accidental release measures

Collect dry powder using a vacuum cleaner or other means where dust is not generated.

SECTION 7- Handling and storage

Handling Appropriate controls should be used to avoid generating dust when handling dry powders.

Storage Powders should be stored at ambient temperature in a dry covered area. The product should be stored in sealed bags, away from humidity in a well ventilated area if possible.

SECTION 8-Exposure controls/Personal protection

Respiratory protection Use appropriate engineering controls to avoid dust generation when handling powders. Ensure that all occupational exposure standards are observed.

Skin protection Substance may have a drying effect on the skin. Maintain good standards of industrial hygiene.

Eye protection Eyewash should be available, eye protection is recommended.

SECTION 9-Physical and Chemical Properties:

Physical and chemical properties

Form:	powder
Odour:	odourless
Melting point	NA
Boiling point:	NA
Explosive properties	None
Relative density	2.55

SECTION 10-Stability and reactivity

Conditions to avoid	Protect against moisture
Material to avoid	None known
Hazardous decomposition products	None known

SECTION 11-Toxicological information

Inhalation Temporary discomfort or mechanical irritation to the upper respiratory tract may occur due to inhalation of high dust concentrations. No acute effects expected

Skin contact No determined toxicological effects.

Ingestion No determined toxicological effects.

Eyes High dust concentrations may cause mechanical irritation.

Alpha Alumina	4 (OES) Respirable
Titanium Dioxide	4 (OES) Respirable

SECTION 12-Ecological information

Environmental Statement Fused brown alumina is persistent and non-biodegradable but is unlikely to have any long term effect on the environment.

Mobility olid. Involatile. Insoluble in water

Degradability Non-biodegradable. Persistent.

Accumulation No bio-accumulation or bio-magnification identified.

SECTION 13-Waste disposal information

Fused brown alumina may be disposed of as non toxic/inactive materials in approved landfill sites in accordance with local regulations.

SECTION 14-Transport information

Fused brown alumina is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

UN number ADR/RID: IMDG:- IATA:-

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG:- IATA:-

Packaging group

ADR/RID: - IMDG:- IATA:-

Environmental hazards

ADR/RID: no IMDG:- IATA:-no

Special precautions for user

No data available

SECTION 15-Regulatory information

Fused brown alumina is not classified as dangerous to supply under EU or UK national regulations.

SECTION 16-Other information

The information provided in this safety data sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, postrecession, storage, transmigration, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for sun material used in combination with any other materials or in any process.