

HERMES ABRASIVE SURFACE TREATMENT PRODUCTS AND METAL IMPORT INDUSTRY AND
TRADE LIMITED LIABILITY COMPANY



HERMES

A B R A S I V E

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BROWN ALUMINUM OXIDE SAND
MATERIAL SAFETY DATA SHEET - MSDS

Product name

Brown Aluminum Oxide Sand

Seller

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Composition/information on ingredients

Al ₂ O ₃ %95,65	%95,65
TiO ₂ %2,42	%2,42
Fe ₂ O ₃ %0,12	%0,12
SiO ₂ %0,92	%0,92
CaO %0,35	%0,35
MgO %0,22	%0,22

Physical property

Color	red to black & brown.
Grain shape	sand, grit, powder
Mohs standards	9
Bulk density	approx. 1,5 – 2,1 g/cm ³
Specific gravity	approx. 3,9 – 4,1 g/cm 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.

First-aid measures	Treat symptomatically for mechanical irritation. Flush lightly with clean water.
First Aid – Eyes	
First Aid – Skin First	Powder may cause drying of the skin with repeated or prolonged contact.
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.
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Fire-fighting measures	Non flammable and not explosive – no special precautions necessary. Skin Contact
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Fire-fighting measures	Collect dry powder using a vacuum cleaner or other means where dust is not generated.
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Handling and storage

Handling	Appropriate controls should be used to avoid generating dust when handling dry powders.
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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.
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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.
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Skin protection	Substance may have a drying effect on the skin. Maintain good standards of industrial hygiene.
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Eye protection	Eyewash should be available, eye protection is recommended.
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Physical and Chemical

Properties:	Physical and chemical
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Properties Form:	powder
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Odour:	odourless
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Melting point:	NA
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Boiling point:	NA
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Explosive properties	NONE
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Relative density	2,55
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Stability and reactivity

Conditions to avoid	Protect against moisture
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Material to avoid	None known
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Hazardous decomposition products	None known
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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	3 (OES) Respirable

Ecological information	
Environmental Statement Brown Aluminum Oxide Sand is persistent and non- biodegradable but is unlikely to have any long term effect on the environment.	
Mobility	Solid. Involatile. Insoluble in water
Degradability	Non-biodegradable. Persistent.
Accumulation	No bio-accumulation or bio-magnification identified

Waste disposal information
Brown Aluminum Oxide Sand may be disposed of as non toxic / inactive materials in approved landfill sites in accordance with local regulations.

Transport information
Brown Aluminum Oxide Sand is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

Regulatory information
Brown Aluminum Oxide Sand is not classified as dangerous to supply under EU or UK national regulations.

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, processionk, storage, transporation, 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.



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