

Luoyang Bodan Abrasives Co.,LTD

2-2803 South Cannes Building No.236 Peony Avenue Luolong District Luoyang China
TEL: 0086-379-69935557 WEB: www.bd-abrasives.com

Material Safety Data Sheet Of Brown Fused Alumina

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

- 1.1 Identification of the substance or preparation:
Commercial product name: BROWN FUSED ALUMINA
- 1.2 Company/manufacturer: LUOYANG BODAN ABRASIVES CO.,LTD
Manufacturer/distributor:
PB No./street:
State/postal code/city: LUOYANG
Country: CHINA
Telephone: 086 0379 69950113
Telefax:
Emergency information:.....
Department responsible for information:

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization (substance):

Definition according to EC directive: Aluminium oxide (Al₂O₃), TiO₂ as main

Ingredient in a form of natural mineral

Composition and information on ingredients

Ingredient	Formula	Cas#	Typical Composition
Aluminium Oxide	Al ₂ O ₃	1344-28-1	95.05%
Titanium Oxide	TiO ₂	13463-67-7	2.71%
Silicon Oxide	SiO ₂	7631-86-9	1.80%
Iron Oxide	Fe ₂ O ₃	1309-37-1	0.30%

EINECS No.: 215-691-6

3 HAZARDS IDENTIFICATION

Critical hazards to man and environment

EC/R: Not applicable

4 FIRST AID MEASURES

- 4.1 Inhalation: No special action required
4.2 Skin contact : No special action required
4.3 Eye contact: Flush with plenty of water. Seek medical advice if irritation persists
4.4 Ingestion: No special action required

5 FIRE FIGHTING MEASURES

- 5.1 General information: Not inflammable
5.2 Suitable extinguishing media: Use extinguishing measures appropriate to the source of the fire
5.3 Extinguishing media which must not be used for safety reasons: None known
5.4 Special exposure hazards arising from the substance itself,
combustion products, resulting gases: None known
5.5 Special protective equipment: Not applicable

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: Avoid dust formation. Wear personal protective equipment

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- (see also item 8.3)
- 6.2 Environmental precautions: No special measures required
- 6.3 Methods for cleaning up: Pick up mechanically and dispose of in accordance to regulations

7 HANDLING AND STORAGE

- 7.1 Handling:
- Precautions for safe handling: Avoid dust formation
- Precautions against fire and explosion: No danger of fire and dust explosion
- 7.2 Storage:
- Conditions of storage rooms and vessels: ... No special precautionary measures
- Advice of storage of incompatible materials: None
- Further information for storage: None

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Further information for system design
and engineering measures: Not applicable
- 8.2 Components with specific control
parameters as limit values: Observe the local bylaws in terms of fine dust
- 8.3 Personal protection equipment:
- General protection and hygiene measures: . Observe standard industrial hygiene practice
- Respiratory protection: Avoid inhaling the dust
Fine-dust mask with category P1 filter
must be used if fine dust limits are exceeded.
- Hand protection: Protective gloves are recommended
- Eye protection: Safety glasses are recommended

9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance:
- Form: Grains
- Colour: Brown
- Odour: Odourless
- 9.2 Safety parameters:
- Change in physical state: Melting point approx. 2050°C
- Flash point: Not applicable
- Flammability: Not applicable
- Ignition temperature: Not applicable
- Autoflammability: Not applicable
- Oxidizing properties: Not applicable
- Explosive properties: Not applicable
- Explosive limits: Not applicable
- Bulk density: 3.97 kg/m³
- Solubility in water: Practically insoluble
- pH value: Not applicable
- Partition coefficient n-octanol/water: Not applicable

10 STABILITY AND REACTIVITY

- 10.1 General information: The material is stable, no hazardous reactions known
- 10.2 Conditions to avoid: Not applicable
- 10.3 Materials to avoid: Not applicable
- 10.4 Hazardous decomposition products: None known

11 TOXICOLOGICAL INFORMATION

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- 11.1 General information: No haardous effects known, if used properly.
No free silica included (see also item 16)
11.2 Acute toxicity: Not known

12 ECOLOGICAL INFORMATION

- 12.1 Information on elimination
(persistence and degradability): Chemically inert and insoluble in water. Separation by mechanical
processes (sedimentation, filtration etc.)
12.2 Behaviour in environmental compartments: No environmental problems known
12.3 Ecotoxicity: No harmful effects on water organisms anticipated
12.4 Further ecological Information:..... No environmental problems expected, if handled and treated in
accordance with standard industrial practice

13 DISPOSAL CONSIDERATIONS

- 13.1 Material: Can be stored with domestic waste. Observe local bye-laws
13.2 Contaminated packaging: Packaging has to be emptied entirely.
Recycling of used packaging is recommended.
Local bye-laws must be observed

14 TRANSPORT INFORMATION

- 14.1 Land transport:
GGVS / ADR - classification: Non hazardous material
GGVE / RID: Non hazardous material
14.2 Inland waterways:
GGVBisch / ADNRR - classification: Non hazardous material
14.3 Maritime transport:
GGVSee / IMDG - classification: Not regulated
14.4 Air transport:
ICAO-TI / IATA - classification: Non hazardous material

15 REGULATORY INFORMATION

- 15.1 Classification according to GB 16483-2000 guidelines:
Danger symbol and danger-text of the
product: None
EC / R: None
EC / S: None
15.2 National regulations: None

16 FURTHER INFORMATION

The BROWN ALUMINUM OXIDE is inert and possesses no toxic or carcinogenic properties.
This information covers the safety requirements of the product(s) exclusively and is based on current knowledge and
experience. It does not represent a guarantee for properties of the described product(s) in terms of the legal warranty
regulations.

Period of validity: five years since the issuance date.

Date of issue: May. 09, 2026

Luoyang Bodan Abrasives Co.,LTD