

Material Safety Data Sheet

Black fused Alumina

Revision Date: Oct.10.2025

Section 1-Chemical Product and Company Identification

MSDS Name: Black fused Alumina

Company Identification:

LUOYANG BODAN ABRASIVES CO.,LTD

2-2803 South Cannes Building, No.236 Peony Avenue, Luoyang, Henan, China.

Emergency number: +86-379-69930113

Information number: +86-379-69935556

Section 2 – Composition, Information on Ingredients

Component	AL ₂ O ₃	TiO ₂	Fe ₂ O ₃	SiO ₂	Others
Percent	60%MIN	2%-4%	6%-12%	30%MAX	3%MAX
Cas No	1344-28-1	1317-70-0	1309-37-1	91053-39-3	

Section 3 – Hazards Identification

EMERGENCY OVERVIEW

Eye: May irritate eyes.

Skin: Not absorbed through the skin. May cause abrasions.

Ingestion: No known adverse effects, but ingestion not recommended.

Inhalation: May cause coughing or shortness of breath.

Chronic Effects: May affect breathing capacity.

Section 4 – First Aid Measures

Eyes: Wash with large amounts of water. Get medical attention, if needed.

Skin: Wash with water. Obtain first aid or medical assistance if needed.

Ingestion: If swallowed, seek medical attention.

Inhalation: Remove to fresh air, apply artificial respiration as needed. Get medical attention if needed.

Section 5 – Fire Fighting Measures

Flammable Properties: Non-flammable

Flash Point: None **Fire/Explosion Potential:** None

Upper and Lower Flammable Limits: None

Autoignition Temperature: None

Special Fire Fighting Procedures: None

Section 6 – Accidental Release Measures

Personal Precautions: Wear protective equipment. See Section 8.

Cleanup Measures: Normal cleanup procedures. Avoid generating dust.

Dispose using standard landfill methods consistent with applicable Federal, State and Local laws.

Section 7 – Handling and Storage

Normal Storage: General storage, ambient air temperature and pressure.

Handling: Avoid generating dust. Handle with adequate ventilation for dust.

Section 8 – Exposure Control, Personal Protection

Engineering Control: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below PELs or TLVs.

Respiratory Protection: Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators.

Skin and Hand Protection: Gloves as desired by user.

Eye and Face Protection: Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggle

Section 9 – Physical and Chemical Properties

Appearance: Gray Black

Odor: Odorless

PH: N/A

Boiling Point:

Melting Point: 2000 °C

Flash Point: None

Explosive Properties: None

Oxidizing Properties: None

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 3.60

Water Solubility: Insoluble

Solubility Other Solvent: Partially soluble in HF

Section 10 – Stability and Reactivity

Chemical Stability: Stable

Incompatibility: None

Polymerization: Will not occur

Conditions to Avoid: N/A

Section 11 – Toxicological Information

Not Available

Section 12 – Ecological Information

Not Available

Section 13 – Disposal Consideration

Approved landfill in accordance with all local, state and federal regulations.

Section 14 – Transport Information

US DOT - Not regulated as a hazardous material

Section 15 –REGULATORY INFORMATION

NOT APPLICABLE

Section 16 –OTHER INFORMATION

NOT APPLICABLE

THIS INFORMATION IS BASED ON OUR PRESENT STATE OF KNOWLEDGE .IT SHOULD NOT THEREFORE BE CONSIDERED AS GUARANTEEING SPECIFIC PROPERTIES OF THE PRODUCTS DESCRIBED OR THEIR SUITABILITY FOR A PARTICULAR APPLICATION.