

Material Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier: White Fused Alumina

Recommended Use: Making Abrasive Tools, Blasting Media, Microgrit Powders, Refractory Material, Ceramic, Polishing and General Industry.

Manufacturer/Supplier:

Henan DOMILL Abrasive Technology Co.,Ltd
Pingdeng Industrial Zone Yichuan County,Luoyang, 471300 China
Tel: +86 379 69556558
Fax: +86 379 68307180
Email: info@domill.com

Emergency telephone number: +86 379 69556558

Section 2: Hazards Identification

Classification of the Substance or Mixture

Not classified

Label Elements

GHS-US Labeling

No labeling applicable according to 29 CFR 1910.1200.

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US)

No data available

Section 3: Composition/Information on Ingredients

Name: White Fused Aluminium Oxide

Formula: Aluminium Oxide (Al₂O₃)

Weight%: >99

CAS Number: 1344-28-1

EINECS No.: 215-691-6

Synonyms: White Fused Alumina, White Fused Aluminum Oxide, White Aluminum Oxide

Section 4: First aid Measures

After Inhalation:

If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms or feels unwell, seek immediate medical attention.

After Skin Contact:

Brush off loose particles. Wash with soap and water. If skin irritation is experienced, consult a

doctor.

After Eye Contact:

If worn, remove contacts. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Swallowing:

Rinse out mouth and drink plenty of water. Do not induce vomiting; immediately call for medical help.

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media: All extinguishing agents can be used.

Special hazards arising from the substance or mixture

This product is not combustible or explosive: Does not present any particular risk in the event of fire.

Advice for firefighters

Specific fire fighting methods: Does not require any particular methods

Protection of fire-fighters: Use appropriate protective equipment.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures:

- Use respiratory protective device against the effects of fumes/dust/aerosol.
- For large spills, wear protective clothing.
- Avoid formation of dust
- Ensure adequate ventilation

Environmental Precautions: No special precautions required.

Methods and Materials for Containment and Cleaning Up:

- Dispose contaminated material as waste according to item 13.
- Send for recovery or disposal in suitable receptacles.

References to Other Sections:

- See Section 7 for information of safe handling
- See Section 8 for information of personal protection equipment
- See Section 13 for disposal information

Section 7: Handling and Storage

Precautions for Safe Handling:

- Prevent formation of dust
- Any deposit of dust which cannot be avoided must be regularly removed
- Use only in well ventilated areas
- Avoid breathing dust
- Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

Conditions for Safe Storage:

Information about storage in one common storage facility:

- Store away from oxidizing agents
- Store away from foodstuffs

Further information about storage conditions:

- Store in cool, dry conditions in well sealed receptacles
- Store receptacles in a well ventilated area
- Protect from humidity and water
- This product is hygroscopic

Section 8: Exposure Controls/ Personal Protection

Exposure Control:

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

Additional limit information: No additional information available at time of document creation.

Engineering controls: Ensure good ventilation/exhaustion in the workplace.

Risk management: No special measures required.

PERSONAL PROTECTIVE EQUIPMENT

Breathing equipment: Use suitable respiratory protective devices when airborne dusts present, i.e. N95 dust mask.

Hand protection: Wear protective gloves to ensure against mechanical hazards.

Eye protection: Wear safety glasses or goggles to protect against eye exposure.

Body protection: Wear general protective work clothing.

Section 9: Physical and Chemical Properties

Appearance:

Form: Granulate or Powder

Color: White to Light Gray

pH-value: Slightly alkaline

Change in Condition:

Melting Point: Approx. 2150°C~2250°C

Boiling Point/Boiling Range: Not Determined

Flashpoint: Not Applicable

Flammability: Not Flammable

Auto-Ignition Temperature: Not Determined

Decomposition Temperature: Not Determined

Auto-Igniting: Not Determined

Danger of Explosion: Product does not present an explosion hazard

Explosion Limits:

Lower: Not Determined

Upper: Not Determined



Factory
Pingdeng Industrial
Zone, Yichuan County,
Luoyang City, China

Marketing Center
4302, Zhengda International,
Luolong District,
Luoyang City, China

HENAN DOMILL ABRASIVE TECHNOLOGY CO., LTD

WWW.DOMILL.COM

Vapor Pressure: Not Applicable

Density at 20 °C (68 °F): (3.7-4.5)g/cm³

Relative Density: Not Determined

Vapor Density: Not Applicable

Evaporation Rate: Not Applicable

Solubility in / Miscibility with:

Water: Insoluble

Partition Coefficient: Not Determined

Other Information: No further relevant information available.

Section 10: Stability and Reactivity

Thermal decomposition /conditions to be avoided: No decomposition anticipated under standard use, transport and storage conditions. May separate into individual components under extreme heat.

Hazardous reaction potential: No hazardous reactions anticipated.

Incompatible materials: Reacts with strong acids, oxidizing agents, and strong bases.

Hazardous decomposition products: May produce metal oxide smoke in the event of fire.

Other Information: No additional information available at time of document authoring.

Section 11: Toxicological Information

Component LC50/LD50 values relevant for classification: None

Probable routes of exposure: Dust inhalation, accidental ingestion, direct skin/eye contact

Effects on skin: No relevant effects known

Effects on eye: Slight irritation may occur with direct eye contact.

Inhalation effects: Repeated or long-term inhalation of dusts may cause pulmonary disease.

Ingestion effects: No relevant effects known

Sensitization effects: No relevant effects known

Subacute/chronic toxicity: No relevant effects known

Carcinogenicity:

NTP Listing Status: Not listed as a carcinogen

IARC Listing Status: Not listed as a carcinogen

OSHA Listing Status: Not listed as a carcinogen

Cell mutagenicity: No relevant effects known

Reproductive effects: No relevant effects known

Section 12: Ecological information

Aquatic toxicity: Product not determined to be toxic to the aquatic environment.

Persistence and degradability: Inorganic product, not eliminable from water by biological means.

Results of PBT assessment: No data available

Results of vPvB assessment: No data available



Factory
Pingdeng Industrial
Zone, Yichuan County,
Luoyang City, China

Marketing Center
4302, Zhengda International,
Luolong District,
Luoyang City, China

HENAN DOMILL ABRASIVE TECHNOLOGY CO., LTD

WWW.DOMILL.COM

LogKow , BCF values: No data available

Bioaccumulative potential: No significant accumulation in organisms.

Mobility in soil: No relevant information available at time of document authoring.

Other adverse effects: No relevant information available at time of document authoring.

Additional information: No relevant information available at time of document authoring.

Section 13: Disposal Considerations

Waste treatment methods: Do not dispose of product via sewage system or other liquid waste streams. Contact your local waste disposal authority to determine necessary steps for disposal in your locality.

Contaminated packaging: Contact your local waste disposal authority to determine necessary steps for disposal in your locality.

Additional information: Refer to Section 8 for exposure controls, personal protective equipment

Section 14: Transport Information

DOT (US): Not regulated for transport

IMDG/IMO: Not regulated for transport

IATA: Not regulated for transport

General Information: No additional information.

Section 15: Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture.

United States Federal Regulations

SARA

- Section 355 (extremely hazardous substances): Substance is not listed.

- Section 313 (specific toxic chemical listings): 1344-28-1 Aluminum Oxide

- TSCA (Toxic Substances Control Act): Substance is listed

Other Regulations, Limitations, and Prohibitive Regulations:

- This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out

Section 16: Other Information

All information provided is based on DOMILL's present knowledge and understanding of this product and any applicable regulations and data. Any information provided does not constitute a guarantee for specific product features nor does it establish a legally valid contractual relationship.

NOTICE: This safety data sheet complements technical data sheets but does not replace them. The information contained within is based on our present knowledge of the product on the document revision date. All information provided is done so in good faith. Product users should be warned



Factory
Pingdeng Industrial
Zone, Yichuan County,
Luoyang City, China

Marketing Center
4302, Zhengda International,
Luolong District,
Luoyang City, China

HENAN DOMILL ABRASIVE TECHNOLOGY CO., LTD

WWW.DOMILL.COM

about the risks associated with using the product for a different purpose than that for which it was intended as stated within this safety data sheet and any associated technical data sheets. DOMILL does not provide advice or indicate qualification for giving advice for uses outside of stated intended use cases. Statements regarding applicable regulations are provided to help users meet their regulatory obligations when using this product. Statements are not exhaustive of all potential regulatory parameters a user may be bound by and does not exempt users from ensuring their own compliance with applicable regulations regarding handling, use, and storage of the product, for which they are solely responsible.

HENAN DOMILL ABRASIVE TECHNOLOGY CO.,LTD.

Apr 10,2022