

Material Safety Data Sheet

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

Product Identifier: Brown Fused Alumina

Recommended Use: Bonded Abrasives, Coated Abrasives, Blasting Media, Microgrit Powders, Refractory Material, 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

The product is not classified as hazardous according to the CLP regulation (EC) No 1272/2008. Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).

The following Hazard Statements are applicable only according to OSHA regulations within the United States. These Statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H351.



GHS08 Health Hazard (US GHS only) Carc. 2 H351: Suspected of causing cancer.

Label Elements

GHS Label Elements - The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard-Determining Component of Labeling: Titanium Dioxide

Hazard Statements:

- H351 Suspected of causing cancer via inhalation
- The substance is classified and labeled according to the OSHA Globally Harmonized System (GHS) within the USA.
- The product is not classified as hazardous according to the CLP Regulation.

Precautionary Statements:

- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.

- P308+P313: If exposed or concerned: Get medical advice/attention.
- P501: Dispose of contents/container in accordance with local/regional/national/international Regulations

Classification System:
NFPA Ratings (scale 0 - 4):

Health: 1 ,Fire: 0, Reactivity: 0

HMIS Ratings (scale 0 - 4):

HEALTH	*1
FIRE	0
REACTIVITY	0

*Indicates a long-term health hazard from repeated or prolonged exposures.


HMIS Long-Term Health Hazard Substances

13463-67-7 Titanium Dioxide


Other Hazards

Long term inhalation of product dust may be harmful.

There are no other hazards not otherwise classified that have been identified.

Results of PBT and vPvB assessment: Not applicable.

Section 3: Composition/Information on Ingredients

Ingredient	CAS No.	EC No.	Weight%	Hazard Statement & Pictogram
Aluminium Oxide	1344-28-1	215-691-6	>90	All substances with a community workplace exposure limit.
Silicon Dioxide	7631-86-9	231-545-4	<2	
Iron Oxide	1309-37-1	215-168-2	<2	
Titanium Dioxide	13463-67-7	236-675-5	<5	 carc. 2, H351

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 waster 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



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

- 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 **Color:** Light brown, dark brown

pH-value: Slightly alkaline

Change in Condition:

Melting Point: Approx. 2050 °C (3722 °F)

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

Vapor Pressure: Not Applicable

Density at 20 °C (68 °F): 3.95 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

Acute Toxicity:

LD/LC50 values that are relevant for classification: None.

Primary irritant effect:

- On the skin: Slight irritant effect on skin and mucous membranes.
- On the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Subacute/chronic toxicity: Suspected of causing cancer via inhalation.

Additional Toxicological Information:

NTP (National Toxicology Program): Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration): Substance is not listed.

Probable Routes of Exposure:

- Inhalation.
- Eye contact.
- Skin contact.

Acute effects (acute toxicity, irritation and corrosively): From product as supplied: None.

Repeated Dose Toxicity:

- Suspected of causing cancer.
- Repeated or long-term inhalation of product dusts may cause pulmonary disease.
- May cause damage to organs through prolonged or repeated exposure.

Section 12: Ecological information

Toxicity:

Aquatic Toxicity: Generally not hazardous for water.

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

Behavior in Environmental System:

Bio Accumulative Potential: This product does not accumulate in organisms.



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

Mobility in Soil: No further relevant information available.

Other Adverse Effects: No further relevant information available.

Section 13: Disposal Considerations

Waste Treatment Methods:

Recommendation:

- Smaller quantities can be disposed of with household waste.
- Can be reused after reprocessing.
- Contact waste processors for recycling information.
- The use of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant local, state, and federal laws and regulations regarding treatment, storage, and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Uncleaned Packaging:

Recommendation: Disposal must be made according to official regulations.

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



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

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 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