

MSDS

Report No. :CSTR180607342

Date: June 06, 2018

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Samples Name:

Aluminium oxide **Model:**

WA-46/60/80/100/120/200

Client Name: ShenZhen TaiYan Abrasive Products Co., Ltd.

Address: 25th Dakang Xintang Road, Henggang Town, Longgang District, Shenzhen City,
Guangdong Province, China.

Signed for and on behalf of
Shenzhen Certification Technology Service Co., Ltd.

Tested by: Susan

Project Leader

Susan Chen



Reviewed by: Bill Li

Laboratory Supervisor

Wendy Wang

Approved by: Wendy

Technical Director

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Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: Aluminium oxide

Product Type:WA-120

.Recommended use of the chemical and restrictions on use: Raw material for cosmetics. Widely used as abrasive material,

and metallurgy material. Do NOT use it in a way which may contaminate food or do harm to human health.

.Manufacturer/Supplier: ShenZhen TaiYan Abrasive Products Co., Ltd.

Company: ShenZhen TaiYan Abrasive Products Co., Ltd.

Address: 25th Dakang Xintang Road, Henggang Town, Longgang District, Shenzhen
City,Guangdong Province, China.

Tel.: 0086-755-28646664

Fax: 0086-755-28695987

.Further information obtainable from: ShenZhen TaiYan Abrasive Products Co., Ltd.

.Information in case of emergency:

Tel.: 0086-755-28646664

2. HAZARDS IDENTIFICATION

.Classification according to EC No. 1272/2008

.Hazard Classes and Hazard Categories:

No classification for this product.

. .Classification according to 67/548/EC (substances).

This product is not classified as a dangerous substance.

.Labelling according to Regulation (EC) No 1272/2008(CLP/GHS)

No relevant classification for this product.

Note: Although there is no relevant classification for this product according to EC No. 1272/2008 and 67/548/EC, the hazard

.of this product can not be ignored.Inhaling the powder of this product may cause irritating to respiratory system and it may be

.harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	EINECS	% by weight
Al ₂ O ₃	1344-28-1	215-691-6	>99%

4. FIRST AID MEASURES

As a general rule, in case of doubt of if symptoms persist, always call a doctor:

.In the event of splashes or contact with eyes: Immediately raise eyelids and flush with plenty of water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical care.

.In the event of splashes or contact with skin: Wash with water or suds.

.In the event of swallowing: Do not induce vomiting without professional instruction.

Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

.Flash point: Not applicable

.Flammable/Explosive Limits-Lower Vol %: Not applicable

.Flammable/Explosive Limits-Upper Vol %: Not applicable

.Extinguishing Media: This product is not flammable, as for fire caused by surrounding ignition sources, choose proper extinguishers according to fire types. Seek advice from local fire-fighting authority.

.Special Fire Fighting Procedures: Structural firefighters must wear self-contained breathing apparatus and full protective equipment.

.Unusual Fire and Explosion Hazards: Not found.

.Hazardous Combustion Products: Not found.

.Explosion Sensitivity to Mechanical Impact: Not applicable.

.Explosion Sensitivity to Static Discharge: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

.Personal precautions: Use proper personal protective equipment as indicated in Section 8.

.Measures for Cleaning/Collection:

Small Spill:

Sweep up with care to avoid generating dust. Collect it into a proper container for disposal.

Large Spill:

Cover the spilled powder with plastic cloth or canvas. Try to recycle it.

Prevent entry into sewers or confined areas.

.Environmental Precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

7. HANDLING AND STORAGE

The regulations relating to storage remises apply to workshop where the product is handled :

.Handling:

Do not breathe dust or fume that may be evolved during processing.

.Workers must wear proper protective equipments and must operate strictly according to relative rules.

.Information about fire- and explosion protection:

Keep ignition sources away-Do not smoke.

In general, this product is difficult to combust. Normal care should be taken to avoid dust explosion risk through high

concentrations of dust or finely-suspended airborne particles, although the dust of this product is not normally considered an

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explosion hazard.

.Storage:

.Requirements to be met by storerooms and receptacles: Store it in a well-ventilated, cool and dry store room

Avoid

long-time direct contact of sunlight.

.Information about storage in one common storage facility: The storeroom should be equipped with proper facilities for

accidental fire.

.Further information about storage condition: None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA
Al ₂ O ₃ CAS: 1344-28-1	10mg/m ³ (total dust)	10mg/m (total dust)

.Engineering Control:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended

exposure limits. If user operations generate dust or fume, use ventilation to keep exposure to airborne contaminants in a proper range.

.Personal Protective Equipment (for workers):

Recommend wearing protective gloves for industrial hygienic purpose.



.Protection of Eyes:

No special requirements under normal conditions. Wear safety glasses when working in a dusty environment

.Respiratory Protection: No special requirements under normal conditions. Use a dust-proof respirator if working in a dusty environment.

.Protection of Body:

Recommend wearing uniforms.

.General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Prevent dust or powder from processing entering eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Form	Powder
Color	White
Color	Odorless
Boiling Range	2980 ° C
Melting point/Melting range	Approx. 2054 °C
Flash point	Not applicable
Self-igniting	Not applicable
Flammable/Explosive Limits-Lower Vol %	Not applicable
Flammable/Explosive Limits-Upper Vol %	Not applicable
Density	3.5-3.9g/cm ³
Relative Vapor density	Not applicable

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Vapor pressure	Not applicable
Solubility in/Miscibility with Water	Insoluble in water
PH-Value (Saturated solution)	Not available
Viscosity (@25 °C)	Not applicable

10. STABILITY AND REACTIVITY

- .Chemical Stability: Stable under normal temperatures and pressures.
- .Hazardous Decomposition Products: Not found.
- .Materials to avoid: No special requirements for this substance.
- .Hazardous Polymerizations: Will not occur.
- .Conditions to Avoid: Moisture and dust-generating.

11. TOXICOLOGICAL INFORMATION

- .Product Toxicity Data: The toxicity data of this product has not been determined by testing or research, but to relevant literature and classification standard in Annex 2 of GHS, this substance is not toxic.
- LD50/LC50: No relevant data.
- .Contact with Eyes: Powder from processing may mechanically irritate eyes, resulting in redness or watering.
- .Contact with Skin: No hazards for skin for normal contact.
- .Inhalation: No hazard for normal contact. Inhaling excessive powder may cause discomfort to respiratory system.
- .Ingestion: As for accidental swallowing small pieces of this product, it may cause discomfort from obstruction in intestinal tract. As for swallowing in small quantity, significant symptoms will not occur.
- .Effects of Overexposure – Chronic: Inhaling excessive amount of powder may do harm to lung.
- .Carcinogenicity: It is classified as A2 by ACGIH (2003), but no relevant classification by IARC, NTP and EU.
- .Sensitivity: Not found.
- .Teratogenicity: Not found.
- .Mutagenicity: Not found.

12. ECOLOGICAL INFORMATION

- .Ecotoxicity: No data available.
- .Persistence and Degradability: This product is not easily biodegradable.
- .Bioaccumulative Potential: No information available.
- .Mobility in Soil: As it is solid, it can hardly move in soil.
- .Results of PBT and vPvB Assessment: No information available.
- .General Notes:
Do not throw used product into ground water, water course or sewage system.
Do not allow material to be released to the environment without proper governmental permits.

13. DISPOSAL CONSIDERATIONS

- .Waste Disposal Methods:
Do Not allow it to enter sewage system.
Do Not allow it to enter any water cause or soil.
When no longer needed, this article may be disposed of as permitted by local waster handling authority.

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14. TRANSPORT INFORMATION

RID/ADR:

.Proper Shipping Name: Not regulated.

.Hazard Class: Not classified.

.UN Code: Not regulated.

.Packing Group: Not classified.

Air-Transportation- Air-Transportation- IATA/ICAO:

.Proper Shipping Name: Not regulated.

.Hazard Class: Not classified.

.UN Code: Not regulated.

.Packing Group: Not classified.

Sea-Transportation-IMO/IMDG.:

.Proper Shipping Name: Not regulated.

.Hazard Class: Not classified.

.UN Code: Not regulated.

.Packing Group: Not classified.

.EMS NO.: Not regulated.

.Special Precautions for User: Not applicable

.Transport in bulk according to AnnexII of MARPOL73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

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

.Sara:

.Section 355 (extremely hazardous substances): Not listed.

.Toxic Substances Control Act (TSCA): Silicon carbide (White) CAS: 409-21-2 is listed in the TSCA inventory

.Germany – WGK: Not classified.

.SARA (311/312) HAZARD CATEGORIES: Not regulated.

.SARA 313: This product is not classified as SARA 313 Toxic Release Chemicals.

.Carcinogenicity categories: Not listed by EPA, IARC and NTP.

.Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

.REACH Regulation Annex XVII Regulation List: Not listed.

.REACH Regulation Annex XIV Authorization List: Not listed.

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

.Other Relevant International Laws and Regulations:

.Clean Water Act:

This substance is not listed as Hazardous Substances under the CWA.

This substance is not as Priority Pollutants under the CWA.

.Federal Insecticide Fungicide & Redenticide Act (FIFRA): Not applicable

.67/548/EEC Annex I: Not listed.

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16. OTHER INFORMATION

DISCLAIMER: Employers should use this information only as a supplement to other information gathered by them,
and should make independent judgement of suitability of this information to ensure proper use and protect the health
and safety of employees. This information is furnished without warranty, and any use of the product not
in conformance
with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the
user.

References:

EC No.1907/2006 (REACH)

EC No. 1272/2008 (CLP)

EC No. 453/2010

Full description of some acronyms:

CAS-Chemical Abstracts Service

EINECS-European Inventory of Existing Commercial Chemical Substances

IMO-International Maritime Organization IMDG-

International Maritime Dangerous Goods

IATA-International Air Transport Association

ICAO-International Civil Aviation Organization

TSCA-Toxic Substance Control Act OSHA-

Occupational Safety and Health Administration

ACGIH- American Conference of Governmental

Industrial Hygienists SDS Issuing date: June 6, 2018

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