

Material Safety Data Sheet



Completed 09-02-2026
Revision: (date) -
SDS version 1.0

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

1.1. Product Identifier

Trade Name: China Test Dust
Product- no.: -
UFI: 3JGA-4VEV-R20X-0P0H

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses:

Test støv

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:	Manufacturer:
Fiatec GmbH	Powder Technology Inc.
Burgkunstadter Str. 3, Mainleus	1300 Grey Fox Road
DE-95336	USA-55112 Arden Hills, MN
Germany	+1 952 894 -8737
+49 9229 9939-0	www.powdertechinc.com
www.fiatec.com	

Contact person and E-mail:

mattias.eber@fiatec.com

The Safety data sheet is completed and validated by:

Mediator ApS, Centervej 2, DK-6000 Kolding. Consultant: FJ

1.4. Emergency telephone number

NHS (National Health Service): 111

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019: STOT RE 1;H372

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Danger

Causes damage to organs through prolonged or repeated exposure. (H372)

Do not breathe dust. (P260)

Wash hands thoroughly after handling. (P264)

Wear protective gloves/eyeprotection. (P280)

IF exposed or concerned: Get medical advice/attention. (P308 + P313)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

-

Additional labelling:

-

Additional warnings

The product does not meet the criteria for PBT or vPvB.

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SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Quartz	- / -	14808-60-7	238-878-4	STOT RE 1;H372	66 - 69	-
Aluminum oxide	- / 01-2119529248-35-xxxx	1344-28-1	215-691-6	-	13 - 16	-
Iron (III) oxide	- / -	1309-37-1	215-168-2	-	8,5 - 11,5	-
Magnesium oxide	- / -	1309-48-4	215-171-9	-	1,5 - 3,5	-
Potassium oxide	- / -	12136-45-7	235-227-6	-	1 - 2,5	-
Titanium dioxide	- / 01-2119489379-17-xxxx	13463-67-7	236-675-5	-	0 - 2,5	-
Calcium oxide	- / -	1305-78-8	215-138-9	Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335	0 - 1,5	-

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.
Seek medical advice in case of discomfort.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of discomfort.

Skin contact:

Remove contaminated clothing.
Wash skin with soap and water.
Seek medical advice in case of discomfort.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.
Causes damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire:
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.
Hazardous fumes are formed in fire conditions.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.
Avoid breathing.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Use water mist to bind dust.
Do not sweep – use vacuum cleaner to collect spillage.
Pick up mechanically.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.
Smoking, eating and drinking in the work room is not permitted nor is storage of tobacco, food and drinks permitted. Personal protective equipment must not be worn during meal breaks. Running water and eye wash facilities must be easily accessible. Wash hands before breaks, after visits to the toilet and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product must be stored safely and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Note
Aluminum oxide			
- inhalable dust	- / 10	- / -	-
- respirable dust	- / 4	- / -	-
Iron (III) oxide	- / 5	- / 10	-
Magnesium oxide			
- inhalable dust	- / 10	- / -	-
- respirable dust	- / 4	- / -	-
Titanium dioxide			
- total inhalable	- / 10	- / -	-
- respirable	- 4	- / -	-
Calcium oxide			
- respirable fraction	- / 1	- / 4	-

DNEL/PNEC-values:

DNEL Aluminum oxide

	Workers	Consumers
Inhalation - Chronic Systemic	3 mg/m ³	0,75 mg/m ³
Inhalation - Chronic Local	3 mg/m ³	0,75 mg/m ³
Oral - Chronic Systemic	-	1,32 mg/kg bw/day

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DNEL Potassium oxide

	Workers	Consumers
Inhalation - Chronic Systemic	90,3 µg/m ³	16 µg/m ³
Inhalation - Acute Systemic	15,83 mg/m ³	7,9 mg/m ³
Inhalation - Chronic Local	15,83 mg/m ³	7,913 mg/m ³
Inhalation - Acute Local	15,83 mg/m ³	7,913 mg/m ³
Dermal - Chronic Systemic	19,4 µg/kg bw/day	2,31 µg/kg bw/day
Dermal - Acute Systemic	200 mg/kg bw/day	100 mg/kg bw/day
Dermal - Chronic Local	1,124 mg/cm ²	0,562 mg/cm ²
Dermal - Acute Local	1,124 mg/cm ²	0,562 mg/cm ²
Oral - Chronic Systemic	-	0,517 mg/kg bw/day
Oral - Acute Systemic	-	182 mg/kg bw/day

DNEL Titanium dioxide

	Workers	Consumers
Inhalation - Chronic Local	1,25 mg/m ³	210 µg/m ³

DNEL Calcium oxide

	Workers	Consumers
Inhalation - Chronic Local	1 mg/m ³	1 mg/m ³
Inhalation - Acute Local	4 mg/m ³	4 mg/m ³

PNEC Potassium oxide

Fresh water	8,7 mg/L
Intermittent releases (Fresh water)	6,6 mg/L
Marine water	87 µg/L
Intermittent releases (Marine water)	66 µg/L
Soil	3,4 mg/kg soil dw

PNEC Calcium oxide

Fresh water	0,37 mg/L
Intermittent releases (Fresh water)	0,37 mg/L
Marine water	0,24 mg/L
Intermittent releases (Marine water)	0,24 mg/L
Soil	817,4 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:



Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with P2 filter.
Respiratory protective equipment shall comply with one of the following standards: EN 136/140/145.

Hand protection:

Wear protective gloves made of nitrile rubber (> 0.11 mm). Protective gloves conforming to EN 374.
Penetration time: 480 min

Eye/face protection:

Wear safety goggles if there is a risk of dust contact with eyes.
Eye protection conforming to EN 166.

Skin protection:

Wear suitable protective clothing.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Powder
Colour:	Reddish brown
Odour:	Odourless
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	2,5 - 2,7 g/cm ³
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.
Avoid contact with moisture and water.

10.5. Incompatible materials

Avoid contact with strong oxidising agents.
Avoid contact with strong acids.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Aluminum oxide	Oral	Rat	LD50	> 10000 mg/kg bw
Aluminum oxide	Inhalation	Rat	LC50/ 4 Hours	> 2,3 mg/L air
Iron (III) oxide	Oral	Rat	LD50	> 5000 mg/kg bw
Iron (III) oxide	Inhalation	Rat	LC50/ 4 Hours	5,05 mg/L air
Potassium oxide	Oral	Rat	LD50	> 2000 mg/kg bw
Potassium oxide	Dermal	Rat	LD50	> 5000 mg/kg bw
Titanium dioxide	Inhalation	Rat	LC50/ 4 Hours	3,43 mg/L air
Calcium oxide	Oral	Rat	LD50	> 2000 mg/kg bw
Calcium oxide	Inhalation	Rat	LC50/ 4 Hours	> 6,04 mg/L air (nominal)
Calcium oxide	Dermal	Rat	LD50	> 2500 mg/kg bw

Skin corrosion/irritation:

May cause slight irritation.

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Serious eye damage/irritation:

May cause mechanical irritation.

Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Iron (III) oxide	48 Hours	Daphnia	EC50	> 100 mg/L
Iron (III) oxide	72 Hours	Algae	EC50	> 20 mg/L
Potassium oxide	96 Hours	Fish	LC50	917,6 mg/L
Potassium oxide	48 Hours	Daphnia	EC50	630 mg/L
Potassium oxide	96 Hours	Algae	EC50	1337 mg/L
Calcium oxide	96 Hours	Fish	LC50	50,6 mg/L
Calcium oxide	48 Hours	Daphnia	EC50	49,1 mg/L
Calcium oxide	72 Hours	Algae	EC50	184,57 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data.	-	-	-

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
No data.	-	-

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
20 01 99	Other fractions not otherwise specified

Specific labelling:

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.

ADR

-

IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:

-

Restrictions for application:

-

Demands for specific education:

-

15.2. Chemical safety assessment

None.

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SECTION 16: Other information

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

Other information:

Sources:

The REACH Enforcement Regulations 2008, and The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019.
The Waste (Miscellaneous Amendments) (EU Exit) (No. 2) Regulations 2019
The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019.

Full text of H-phrases as mentioned in section 2+3:

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 and GB mandatory classification and labelling list:

STOT RE 1;H372 Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals.
CLP: Classification Labelling Packaging Regulation.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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