

Safety Data Sheet

according to Regulation (EC) No 1907/2006

test dust escor, ARIZ-KSL A1-A4 quartz-free, KSL 12050, Brasil M10 + M8, TE KSL 220

Revision: 12/5/2025

Product code: KSL0019

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

1.1. Product identifier

test dust escor, ARIZ-KSL A1-A4 quartz-free, KSL 12050, Brasil M10 + M8, TE KSL 220

Further trade names

escor
ARIZ-KSL A1, A2, A3, A4 quartz-free
KSL 12050
Brasil M10, M8
TE KSL 220

Substance name: Aluminium oxide - corundum
CAS No: 1344-28-1
EC No: 215-691-6

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

Use of the substance/mixture

Test dust

1.3. Details of the supplier of the safety data sheet

Company name: KSL staubtechnik gmbh
Street: Westendstraße 11
Place: D-89415 Lauingen
Telephone: +49 (0) 9072 95 00-0 Telefax: +49 (0) 9072 95 00-50
E-mail: info@ksl-staubtechnik.de
Contact person: Dr. R. Stadler Telephone: +49 (0) 9072 95 00-0
E-mail (Contact person): info@ksl-staubtechnik.de
Internet: www.ksl-staubtechnik.de

1.4. Emergency telephone number:

+49 (0) 9072 / 95 00-0 (Availability: Mon-Thu 08:00-16:00, Fri 08:00-12:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This substance is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Additional advice on labelling

Label elements: none.

2.3. Other hazards

The product is an inorganic substance, does not fulfil the criteria for PBT and vPvB substances according to Annex XIII of REACH Regulation 1907/2006/EC.

SECTION 3: Composition/information on ingredients

3.1. Substances

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
1344-28-1	Aluminium oxide - corundum			>95%
	215-691-6			

Full text of H and EUH statements: see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If symptoms persist, it is advisable to consult a doctor. Tell the doctor what substance/product was involved and what measures were taken.

After inhalation

Provide fresh air. Dust from the throat and nose should be removed quickly. If symptoms such as discomfort, coughing or persistent irritation occur, consult a doctor. Inhalation should generally be avoided.

After contact with skin

Wash off with soap and water.

After contact with eyes

If necessary, remove the contact lens and rinse the eye under running water with the eyelid open to remove all particles. If possible, use isotonic eye solution (0.9% NaCl). Do not rub the eye dry, as additional corneal damage is possible due to the mechanical stress.

After ingestion

Rinse mouth with plenty of water and drink plenty of water.

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

Dust can cause irritation to the eyes and respiratory tract (due to foreign bodies).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Non-flammable.

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

none Non-flammable.

5.3. Advice for firefighters

none

Additional information

No measures are required as the substance is not flammable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid dust formation. Do not breathe dust.

For non-emergency personnel

Wear protective clothing as described in Section 8. Follow the instructions for safe handling as described in Section 7.

For emergency responders

Emergency plans are not required. However, respiratory protection is necessary in case of high dust exposure.

6.2. Environmental precautions

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

For containment

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Avoid dust formation.

For cleaning up

Inhalation should generally be avoided. Use approved spray and suction systems for cleaning. Use personal protection equipment.

Other information

Blowing off for cleaning purposes is not permitted.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid dust formation and accumulation. Handle packaged products carefully to prevent the packaging from bursting. Areas where dust is generated must be equipped with suitable ventilation systems. If the workplace atmosphere is not sufficiently dedusted, wear suitable respiratory protection (in accordance with EN 143). Gloves according to EN 374 are recommended.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Wear a dust mask and safety goggles in dusty atmospheres.

Further information on handling

Only sweep with a suitable broom. For cleaning, use suitable methods such as vacuum suction that are as dry as possible and do not cause dust to form.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in a dry place, tightly sealed, preferably in the original container.

Hints on joint storage

Keep away from food and beverages.

Further information on storage conditions

none

7.3. Specific end use(s)

Use appropriately and sparingly with suitable test equipment depending on the intended use. No additional information is available for the specific end uses (see section 1.2).

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

The GESTIS database for international limit values can be found at the following link: <http://limitvalue.ifa.dguv.de>

8.2. Exposure controls**Appropriate engineering controls**

Avoid dust formation. Use of closed processes and local extraction equipment to keep the dust concentration below the permissible exposure level. Use a ventilation system if there is a high proportion of dust in the air. If dust formation cannot be avoided, the dust content of the air must be kept below the exposure limit values by ventilation. Application of organisational measures, e.g. by keeping people away from dusty areas. Recommended measurement methods for workplace measurements: See publication series of the Employer's Liability Insurance Association.

Individual protection measures, such as personal protective equipment**Eye/face protection**

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Wear closed safety goggles in accordance with EN 166 if dust is generated.

Hand protection

People who suffer from dermatitis or have particularly sensitive skin should take suitable protective measures (e.g. wear gloves or use protective cream). Wash hands before breaks and after work. Gloves according to EN 374 are recommended.

Skin protection

No personal protective equipment is necessary when used as intended. Handle the product in accordance with the safety instructions.

Respiratory protection

Install effective extraction and / or ventilate sufficiently. If the permissible exposure limit values are exceeded at the workplace, a respirator mask must be worn that complies with the applicable EU or national regulations (e.g. particle filter P2 or P3 in accordance with EN 143).

Thermal hazards

Hygiene measures: Do not eat, drink or smoke at work. Wash hands and shower if necessary before breaks and at the end of work. Avoid contact with eyes and skin. After work, workers should wash or shower and use skin care products. Clean contaminated clothing, shoes, watches, etc. before reuse.

Environmental exposure controls

See also sections 6 and 7.

Air: Avoid drifting due to wind. Compliance with the dust emission limit values in accordance with the Technical Instructions on Air Quality Control.

Water: Waste water and groundwater supply must be observed.

Soil: Compliance with the Federal Soil Protection Ordinance. No special control measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	whitish , greyish , brownish
Odour:	odourless
Odour threshold:	not applicable
Melting point/freezing point:	ca.2050°C/ not applicable °C
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	Non-flammable.
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	not applicable
Decomposition temperature:	not determined
pH-Value:	+/- 9 (10% in H ₂ O)
Viscosity / kinematic:	not applicable
Water solubility:	insoluble
Solubility in other solvents	insoluble
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	not applicable
Density:	not applicable
Relative density:	3,95 g/m ³
Relative vapour density:	not applicable
Particle characteristics:	X50 value: 1µm - 2mm

9.2. Other information

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Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Moisture and water during storage can lead to clumping and loss of product quality.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Irritation of the eyes or respiratory tract due to foreign bodies is possible.

11.2. Information on other hazards

Endocrine disrupting properties

There are no known endocrine-disrupting properties or other harmful effects.

Other information

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
The product has not been tested.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Can be disposed of in accordance with local authority regulations. If necessary, coordinate disposal with the local authorities.

Discuss the exact waste code with the waste disposal company.

Contaminated packaging

010410 - dusty and powdery waste

150106 - mixed packaging according to material recycling

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

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14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Downstream user conditions or monitoring arrangements:

The product is not subject to the registration requirements of EC Regulation 1907/2006 (REACH).

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): - - non-hazardous to water

Additional information

TRGS 500 TRGS 559 TRGS 900 Technische Anleitung zur Reinhaltung der Luft (TA-Luft) Regulation on occupational health care (ArbMedVV) BG principles for occupational health check-ups

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information**Abbreviations and acronyms**

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

EC/EEC: European Community/European Economic Community

EU: European Union

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

M-factor: Multiplying factor

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation)

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IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

DGR: Dangerous Goods Regulations

ICAO: International Civil Aviation Organization

TI: Technical Instructions

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Key literature references and sources for data

We refer to information provided by raw material suppliers/manufacturers and the ECHA database on classification and labelling as sources for the most important data and technical information.

Further Information

The information in this safety data sheet describes the safety requirements of our product and is based on our current state of knowledge. It does not constitute a guarantee of product properties and does not establish a contractual legal relationship. This safety data sheet is intended solely as a source of information for the user. It has been compiled with the utmost care; however, no guarantee can be given for the accuracy of the data, nor can any liability be accepted for the consequences of printing, typesetting or transmission errors. Existing laws, regulations and rules, including those not mentioned in this data sheet, must be observed by the recipient of our products on their own responsibility.