

# Safety Data Sheet pursuant to Regulation (EU) No 1907/2006

Trade name: Product made with Feldspar  
Created on: 30.06.2022 Version: **1586-1** Replaced: 1586-0  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Name of substance/ Name of company: **Potassium feldspar  
Albite on the basis of DIN SPEC 4867**

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

Relevant identified uses: Test dust  
Uses advised against: -

### 1.3 Details of the supplier of the safety data sheet

Manufacturer / supplier: KSL staubtechnik gmbh  
Address/ PO Box: Westendstrasse 11  
Nat. Id./ Post Code/ Place: DE - 89415 Lauingen  
Telephone / Fax/ E-mail address: +49 (0) 9072 / 95 00-0 / Fax: -50 / info@ksl-staubtechnik.de

### 1.4 Emergency telephone number

Office KSL staubtechnik gmbh: +49 (0) 9072 / 95 00-0 (contact: Mon-Thurs 8 AM - 4 PM, Fri 8 AM - 12)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

2.1.1 Classification according to (EC) Regulation No 1272/2008  
Not a hazardous substance or mixture according to (EC) Regulation No 1272/2008

### 2.2 Label elements

2.2.1 Label elements according to (EC) Regulation No 1272/2008  
No label requirements pursuant to (EC) Regulation No 1272/2008

### 2.3 Other hazards

Depending on how it is processed and used, formation of airborne, respirable crystalline silica is possible, the prolonged inhalation of which can cause pulmonary disease silicosis. Following exposure to respirable crystalline silica, suitable protection and monitoring measures should be taken. Careful handling must be ensured in order to prevent dust formation as far as possible.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

Description of the substance: Potassium feldspar  
Hazardous ingredients: This product contains less than 1% respirable quartz classified as STOT RE 1 (fine fraction).

Name / Chem. composition	CAS No.	EG No.	Concentration range [M. %]	Classification according to Regulation (EC) No 1272/2008
Potassium, Na Feldspar (K, Na) [AlSi <sub>3</sub> O <sub>8</sub> ]	68476-25-5	270-666-7	> 97 %	none

### 3.2 Mixture

This product is a substance.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### In case of inhalation:

In general, inhalation should be avoided. Otherwise no special measures. Get some fresh air and seek for medical advice if necessary.

#### In case of skin contact:

Wash with water and soap.

#### In case of eye contact:

If necessary, remove contact lenses and, keeping the eyelid open, rinse the eye well under running water to remove all particles. If possible, use an isotonic eye rinsing solution (0.9 % NaCl). Do not rub your eyes dry, since additional cornea damage could occur due to mechanical stress.

#### If swallowed:

No special measures required. If symptoms persist, see a doctor.

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

See Section 11 for more detailed information on health effects and symptoms.

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

No special measures required.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

No special extinguishing media required.

### 5.2 Special hazard arising from the substance or mixture

None. Not combustible. No hazardous thermal decomposition.

### 5.3 Advice for firefighters

If dust is formed, use respiratory protection with particle protection filter FFP2.

### 5.4 Legal notices

No action is required because the substance is not combustible.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

Wear protective clothing as described in Section 8. Follow instructions for safe handling as described in Section 7. Ensure adequate ventilation and avoid generation of dust.

#### 6.1.2 For emergency responders

Emergency plans are not required. With high dust levels, respiratory protection is required.

### 6.2 Environmental precautions

No requirements.

### 6.3 Methods and materials for containment and cleaning up

#### 6.3.1 Instructions for containment

Avoid the formation of dust.

#### 6.3.2 Clean-up procedures

Collect the mixture mechanically or aspirate and collect for disposal according to local regulations in appropriate containers.

#### 6.3.3 Advice on inappropriate containment or clean-up techniques

Air blowing method of cleaning is not permitted.

### 6.4 Reference to other sections

If appropriate, sections 8 and 13 shall be referred to. Personal protective equipment is specified in section 8 of the safety data sheet.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### 7.1.1 Recommendations for safe handling

Avoid the formation of airborne dust. Equip areas subject to dust generation with suitable extraction systems. In case of improper ventilation, wear respiratory protection. Handle the packaging carefully to avoid any damage, such as the packaging bursting open. Further information on safe handling can also be found in the Agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products containing it (see section 16).

#### 7.1.2 Advice on general occupational hygiene

Do not eat, drink and smoke when using this product. Wash your hands after use/ contact. Wear respirators and goggles in dusty environments. Avoid contact with skin, eyes and clothing; dirty clothing should be washed regularly.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage areas and containers

Store containers under dry conditions. Keep containers closed and store packaged products in such a way that packaging is not damaged.

#### Recommendations on storage with other substances:

No substances to be mentioned.

#### Storage class

TRGS 510: 13 (non-flammable solids)

### 7.3 Specific end use(s)

#### Industry and sector specific guidelines

Convenient and economical application with suitable equipment depending on the intended purpose. For specific uses (see section 1.2), no additional information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredients with specific limit values:

Chem. identity	CAS No.	EG No.	National limit value	Type of exposure	Notes / legal provision
General dust limit value	-	-	1.25 (A) mg/m <sup>3</sup> (can reach the alveoli)	inhalative	Workplace limit value TRGS 900
General dust limit value	-	-	10 (E) mg/m <sup>3</sup> (breathable)	inhalative	Workplace limit value TRGS 900

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Exposure control can be achieved by enclosing the equipment and providing good ventilation at workplaces. People should be kept away from dusty areas. If ventilation is insufficient, appropriate PPE should be worn. Good standards of hygiene should be maintained (section 7.1.2).

#### 8.2.2 Individual protection measures, such as personal protective equipment

##### Eye / face protection

When dust is present, wear safety glasses according to EN 166.

##### Hand protection

Not required.

##### Skin and body protection

Not required.

##### Respiratory protection

Dust mask with particle filter FFP 2 if there is a risk of dust formation in accordance with DIN EN 149.

#### 8.2.3 Environmental exposure controls

See sections 6 and 7. No further measures are required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

(a) Physical state	Powder – solid
(b) Colour	whitish, greyish
(c) Odour	odourless
(d) Melting point/freezing point	1,200 – 1,300° C / not applicable
(e) Boiling point or initial boiling point and boiling range	not determined
(f) Flammability	not combustible
(g) Lower and upper explosion limits	according to Regulation (EU) 2020/878, not applicable for <u>solids</u> .
(h) Flash point	according to Regulation (EU) 2020/878, not applicable aerosols and <u>solids</u> .
(i) Auto-ignition temperature	according to Regulation (EU) 2020/878, applicable for gases and liquids only.
(j) Decomposition temperature	not applicable
(k) pH	9
(l) Kinematic viscosity	according to Regulation (EU) 2020/878, applicable for liquids only.
(m) Solubility	negligible
(n) Partition coefficient for n-octanol/water (log value)	not applicable
(o) Vapour pressure	not applicable
(p) Density and/or relative density	2.6 g/cm <sup>3</sup> (20 °C)
(q) Relative vapour density	according to Regulation (EU) 2020/878, applicable for gases and liquids only.
(r) Particle characteristics	The X <sub>50</sub> value is < 100 µm.

### 9.2 Other information

No additional information available.

#### 9.2.1 Information with regard to physical hazard classes

Not applicable

#### 9.2.2 Other safety characteristics

Not applicable

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific reactivity-related test data is available for this product.

### 10.2 Chemical stability

The substance is stable.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

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## 10.4 Conditions to avoid

No intolerance. Moisture and water may cause lump formation and loss of product quality during storage.

## 10.5 Incompatible materials

No specific data.

## 10.6 Hazardous decomposition products

No decomposition if stored and used according to specifications.

## SECTION 11: Toxicological information

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

No toxicological information is available for this product.

Not a hazardous substance or mixture according to (EC) Regulation No 1272/2008.

#### a) Acute toxicity

No information available / not a hazardous substance

#### b) Skin corrosion/irritation

No information available / not a hazardous substance

#### c) Serious eye damage/ irritation

No information available / not a hazardous substance

#### d) Respiratory or skin sensitisation

No information available / not a hazardous substance

#### e) Germ cell mutagenicity

No information available / not a hazardous substance

#### f) Carcinogenicity

No information available / not a hazardous substance

#### g) Reproductive toxicity

No information available / not a hazardous substance

#### h) STOT-single exposure

No information available / not a hazardous substance

#### i) STOT-repeated exposure

Prolonged and/or intensive exposure to dust containing breathable crystalline silica can cause silicosis.

#### j) Aspiration hazard

No information available / not a hazardous substance

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### Immediate effects

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

##### Chronic effects from long-term exposure

Prolonged and/or intensive exposure to dust containing breathable crystalline silica can cause silicosis.

### 11.2 Information on other hazards

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

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available as no information was provided by the raw material supplier.

### 12.2 Persistence and degradability

No problems with degradability.

### 12.3 Bioaccumulation potential

Not biologically concentrating.

### 12.4 Mobility in soil

No data available as no information was provided by the raw material supplier.

### 12.5 Results of PBT and vPvB assessment

No data available as no information was provided by the raw material supplier.

### 12.6 Endocrine disrupting properties

No data available as no information was provided by the raw material supplier.

### 12.7 Other adverse effects

No data available as no information was provided by the raw material supplier.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Can be landfilled in accordance with local regulations. The material should be buried to avoid dust. If possible, reuse should be preferred.

#### Contaminated packaging

No special requirements. Recycling and disposal should be carried out by certified companies.

## SECTION 14: Transport information

The product is not classified as hazardous pursuant to transport regulations (ADR, RID, IMDG, ICAO / IATA).

### 14.1 UN number or ID number

Not applicable

### 14.2 UN proper shipping name

None

### 14.3 Transport hazard class(es)

None

### 14.4 Packaging group

None

### 14.5 Environmental hazards

None

### 14.6 Special precautions for user

No dangerous transport goods. To be kept away from food and beverages. Avoid dust formation, e.g. due to closed transport or covers.

### 14.7 Maritime transport in bulk according to IMO instruments

None

## SECTION 15: Legal provisions

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

The product is not covered by the registration requirement of EC Regulation 1907/2006 (REACH).

#### EU rules

#### Regulatory information

When handling this product, please adhere to the legal provisions in the current version, among others

AwSV water hazard class: nwg – not hazardous for water

TRGS 500 "Protective measures"

TRGS 559 "Dust containing quartz"

TRGS 900 "Occupational limit values"

TRGS 906 "List of carcinogenic activities or processes..."

Technical instructions on air quality control

Regulation on occupational health care (Verordnung zur arbeitsmedizinischen Vorsorge - ArbMedVV)

Basic principles of the Institution for Statutory Accident Insurance and Prevention on occupational medical examinations

### 15.2 Chemical safety assessment

No chemical safety assessment is required for this substance.

## SECTION 16: Other information

### 16.1 Changes compared to the previous version

Section 1.1: Adjustment in the product name.

### 16.2 Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OOHC	Ordinance on Occupational Health Care
PA	Professional Association
CAS	Chemical Abstracts Service
CLP	Classification, labelling and packaging (Regulation (EC) No 1272/2008)
IATA	International Air Transport Association

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ICAO	International Civil Aviation Organization
IMDG	International agreement on the Maritime transport of Dangerous Goods
PBT	Persistent, bio-accumulative and toxic
REACH	Registration, Evaluation and Authorisation of Chemicals (EC 1907/2006)
RID	Regulations concerning the International Carriage of Dangerous Goods
MSDS	Safety Data Sheet
TRHS	Technical Rules for Hazardous Substances
CIF	Chemical Industry Federation
vPvB	Very persistent, very bio-accumulative
AwSV	Ordinance on systems for handling water-polluting substances

## 16.3 Literature and data sources

As sources of key data and the technical information, we refer to the raw material supplier / manufacturer or the ECHA database for classification and labelling inventory.

## 16.4 Worker training

In addition to worker training programmes on health, safety and the environment, companies must ensure that their workers can read, understand and adhere to safety data sheets.

## 16.5 Other information

No antibiotics, bactericides or fungicides are used to manufacture our products.

## 16.6 About NANO

We do not use nanotechnology processes and synthetic nano-materials in production. However, we cannot rule out the small amounts of nanoparticles may be contained in the material. In order to obtain the desired particle size for the distribution of our product, the product is crushed and then sieved. Some nanoparticles may be generated in such crushing process. Incidentally, the same applies to products such as flour or sugar! It is, therefore, impossible to rule out the presence of NANO materials.

## 16.7 Social dialogue on exposure to breathable crystalline silica

On 25 April 2006, an intersectoral agreement on the protection of workers' health through proper handling and use of crystalline silica and products containing it was signed. This autonomous agreement, funded by the European Commission, is based on guidelines concerning good practices. The conditions specified in the agreement came into force on October 25th, 2006. The agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the agreement, its annexes and the guidelines concerning good practices can be found at <http://www.nepsi.eu>. They provide useful information and guidance for the handling of products containing breathable crystalline silica. <http://www.nepsi.eu> References are available at EUROSIL (European Association of Industrial Silica Producers). Occupational limit values can also be found under <http://www.nepsi.eu>.

## 16.8 Disclaimer

The information in this material safety data sheet describes the safety requirements of our product and is based on our present knowledge. This information does not constitute a guarantee of product properties and does not establish a contractual legal relationship. This safety data sheet serves the user solely for information purposes. It was compiled with great care; no liability for data accuracy or for the consequences of printing, setting or transmission errors cannot be assumed. Compliance with the existing laws, ordinances and regulations, including those not mentioned in this data sheet, shall be the responsibility of the recipient of our products.