

Trade name: einzA mineralit Sol Silikat

Product no.: 0030837

Current version: 1.0.1, Revision: 28.07.2026

Replaced version: 1.0.0, Revision: 28.01.2026

Region:
GER

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

1.1 Product identifier

Trade name

einzA mineralit Sol Silikat

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

Relevant identified uses of the substance or mixture

coating material

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

einzA Farben GmbH & Co KG

Junkersstraße 13

30179 Hannover

Telephone no. +49 (0)511 67490-0

Fax no. +49 (0)511 67490-20

e-mail info@einzA.com

Information provided by / telephone

In emergencies, the country-specific emergency number can be found in the corresponding country-specific safety data sheets.

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+49 (0)40 0511 - 674 90-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

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

Hazard pictograms

-

Signal word

-

Hazard statement(s)

-

Hazard statements (EU)

EUH210

Safety data sheet available on request.

Precautionary statement(s)

-

Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

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2.3 Other hazards

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	potassium silicate			
	1312-76-1 215-199-1 - 01-2119456888-17	STOT SE 3; H335 Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 5,00	wt%
2	Kieselguhr, soda ash flux-calcined			
	68855-54-9 272-489-0 - 01-2119488518-22	STOT RE 2; H373i	< 2,50	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

No	Route, target organ, concrete effect
2	H373i inhalational; -, -

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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Not combustible under normal conditions. Extinguishing measures to suit surroundings.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for firefighters

Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Do not allow to enter drains/watercourses/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Storage in accordance with the Ordinance on Industrial Safety and Health. Prevent unauthorised access. No smoking. Keep from freezing.

Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Stoarge Class according TRGS 510

12 Non-combustible liquids that cannot be assigned to any of the above storage classes.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
	TRGS 900		
	Kieselgur, gebrannt		
	WEL long-term (8-hr TWA reference period)	0,3 A	mg/m ³
	Notes	Y, 1	

DNEL, DMEL and PNEC valuesDNEL values (worker)

DNEL values (worker)					
No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	potassium silicate			1312-76-1 215-199-1	
	dermal	Long term (chronic)	systemic	1,49	mg/kg/day
	inhalative	Long term (chronic)	systemic	5,61	mg/m³
2	Kieselguhr, soda ash flux-calcined			68855-54-9 272-489-0	
	inhalative	Long term (chronic)	systemic	0.05	mg/m³

DNEL value (consumer)

DNEL values (consumer)					
No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	potassium silicate			1312-76-1 215-199-1	
	oral	Long term (chronic)	systemic	0,74	mg/kg/day
	dermal	Long term (chronic)	systemic	0,74	mg/kg/day
	inhalative	Long term (chronic)	systemic	1,38	mg/m³
2	Kieselguhr, soda ash flux-calcined			68855-54-9 272-489-0	
	oral	Long term (chronic)	systemic	18,7	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.05	mg/m³

PNEC values

PNEC values			
No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	potassium silicate		1312-76-1 215-199-1
	water	fresh water	7,5 mg/L
	water	marine water	1 mg/L
	water	Aqua intermittent	7,5 mg/L
	sewage treatment plant	-	348 mg/L
2	Kieselguhr, soda ash flux-calcined		68855-54-9 272-489-0
	sewage treatment plant	-	100 mg/L

8.2 Exposure controls

Appropriate engineering controls

Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal protective equipment**Respiratory protection**

Not necessary. When applied by spraying: Filter A2P2 (DIN EN 14387)

Eye / face protection

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

Hand protection

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Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material In case of short-term contact / splash protection: nitrile rubber

Material thickness > 0,4 mm

Breakthrough time > 120 min

Appropriate Material In case of prolonged exposure: nitrile rubber

Material thickness > 0,4 mm

Breakthrough time > 480 min

Other

Light protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation			
liquid			
Form			
liquid			
Colour			
according to product name			
Odour			
characteristic			
pH value			
Value	10,4	-	11,4
Boiling point / boiling range			
Value	100		°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Not applicable			
Ignition temperature			
No data available			
Oxidising properties			
Not applicable			
Flammability			
Not applicable			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value	<	100	hPa
Reference temperature		50	°C

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GER**Relative vapour density**

No data available

Relative density

No data available

Density

Value	1,30	-	1,70	g/cm ³
Reference temperature			25	°C
Method	DIN 51757			

Solubility in water

Comments miscible

Solubility

No data available

Partition coefficient n-octanol/water (log value)

No data available

Kinematic viscosity

Value	5000	-	15000	mPa*s
Reference temperature			25	°C
Method	DIN 53019			

Solvent separation test

Not applicable

Particle characteristics

No data available

MicroplasticsThis product does not contain synthetic polymer microparticles $\geq 0.01\%$.**9.2 Other information****Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Stable under recommended storage and handling conditions (See section 7).

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0

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LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 420		
Source	ECHA		

Acute dermal toxicity

No data available

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
LC50	>	2,6	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
Method	OECD 431		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

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

The liquid splashed in the eyes may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

11.2 Information on other hazards**Endocrine disrupting properties**

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No data available

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	potassium silicate	1312-76-1	215-199-1
LC50		146	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	OECD 203		
Source	ECHA		
2	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
LC50		>	100 mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
Evaluation/classification	The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	potassium silicate	1312-76-1	215-199-1
EC50		146	mg/l
Duration of exposure		24	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
EC50		>	100 mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
Evaluation/classification	The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Kieselguhr, soda ash flux-calcined	68855-54-9	272-489-0
EC50		>	100 mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
Evaluation/classification	The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

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No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not allow to enter drains or water courses.
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SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Waste code 08 01 12 waste paint and varnish other than those mentioned in 08 01 11

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company. Allow paint/varnish to dry out completely in a well-ventilated area and dispose of in residual waste once completely solidified. Dispose of liquid or non-drying residues separately.

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information**14.1 UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

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Region:
GER**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	Calcium carbonate	471-34-1	207-439-9	75
2	Limestone	1317-65-3	215-279-6	75
3	titanium dioxide	13463-67-7	236-675-5	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE, Cat. : a, type: Ib = 30 g/l
Max. VOC content (limit value) of the product in its ready for use condition = < 30 g/l

National regulations**Water Hazard Class (Germany)**

Class

1

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

Other regulations

GISCODE BSW40 Covering agents, water based, alkaline

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment. For example, TRGS (Technical Rules for Hazardous Substances) and the DGV (German Social Accident Insurance) rules.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H315

Causes skin irritation.

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H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373i	May cause damage to organs through prolonged or repeated exposure if inhaled.

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This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

This document is an English translation of the legally compliant safety data sheet of the region Germany. This document, including UFI and emergency telephone number, may only be used for placing on the market in the region Germany.

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