

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1. Product identifier

Trade name/designation:

Diessner Silikatputz K 2,0

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

Use of the substance/mixture:

Coatings and paints, fillers, putties, thinners

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Product Categories [PC]

PC 9a: Coatings and paints, thinners, paint removers

Process categories [PROC]

PROC 7: Industrial spraying

PROC 10: Roller application or brushing

PROC 11: Non industrial spraying

Environmental release categories [ERC]

ERC 10a: Wide dispersive outdoor use of long-life articles and materials with low release

ERC 11a: Wide dispersive indoor use of long-life articles and materials with low release

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Diessner GmbH & Co. KG

Labor

Tempelhofer Weg 38 - 42

D-12347 Berlin

Germany

Telephone: 030/600002-0

Telefax: 030/600002-88

E-mail: info@diessner-farben.de

Website: www.diessner-farben.de

E-mail (competent person): janke@diessner-farben.de

1.4. Emergency telephone number

Produktsicherheit, 030 60 000 2 49 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

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

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -

Supplemental Hazard information (EU): -

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

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Precautionary statements Prevention

P271 Use only outdoors or in a well-ventilated area.

Precautionary statements Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/....

P305 IF IN EYES:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 1312-76-1 EC No.: 215-199-1	Silicic acid, potassium salt STOT SE 3, Skin Irrit. 2, Eye Irrit. 2 Warning H315 + H320-H319-H335	2 - 4 Wt %
CAS No.: 5964-35-2 EC No.: 227-743-5	tetrapotassium ethylenediaminetetraacetate Eye Irrit. 2, Aquatic Chronic 1 H319-H410	0 - 1 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Bei jeder Erste-Hilfe-Maßnahme: Selbstschutz beachten (z.B. Handschutz, Atemschutz); immer auch Arzt verständigen. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

In case of skin contact:

Stark verunreinigte Kleidung ausziehen. Mit viel Wasser und Seife reinigen. Do not wash with: solvents or thinners

After eye contact:

In case of contact with eyes flush immediately remove contact lenses, with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Visit a Doctor.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

No known symptoms to date.

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

No information available.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray, Carbon dioxide (CO₂), Dry extinguishing powder, Foam, Use extinguishing measures that suit the environment.

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

In burning produces irritant fumes.

Hazardous combustion products:

Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid contact with eyes and skin. Special danger of slipping by leaking/spilling product. Use personal protection equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Protective equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Wear protective gloves and eye/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Inform respective authorities in case of seepage into waterways, soil or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Kieselguhr, Sawdust, Sand, Universal binder

For cleaning up:

Wash with plenty of water. Retain contaminated washing water and dispose it.

6.4. Reference to other sections

Disposal: see section 13, Personal protection equipment: see section 8, Safe handling: see section 7

6.5. Additional information

Clear spills immediately. Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

No special technical protective measures are necessary. Wear personal protection equipment (refer to section 8). When using do not eat, drink or smoke.

Fire prevent measures:

No special fire protection measures are necessary.

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Measures to prevent aerosol and dust generation:

Open windows to ensure natural ventilation.

Environmental precautions:

Provide for retaining containers, eg. floor pan without outflow.

Advices on general occupational hygiene

Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Close opened containers carefully and kept upright to prevent a leakage.

Packaging materials:

Keep only in original container.

Requirements for storage rooms and vessels:

Protect from frost, heat and sunlight.

Hints on storage assembly:

Keep away from: Oxidising agent, Strong alkali, Strong acid

Storage class: 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Store in a cool dry place.

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

Industrial sector specific solutions:

1-K silicate paints

Giscode:

BSW40

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
titanium dioxide CAS No.: 13463-67-7	10 mg/m ³	① DNEL worker ② DNEL acute inhalative (systemic)

Substance name	PNEC Value	① PNEC type
titanium dioxide CAS No.: 13463-67-7	1 mg/l	① PNEC aquatic, marine water
titanium dioxide CAS No.: 13463-67-7	100 mg/kg	① PNEC sediment, marine water
titanium dioxide CAS No.: 13463-67-7	0.127 mg/l	① PNEC aquatic, freshwater
titanium dioxide CAS No.: 13463-67-7	1,000 mg/kg	① PNEC sediment, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures to prevent exposure

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8.2.2. Personal protection equipment



Eye/face protection:

Dust protection eye glasses

Skin protection:

Tested protective gloves must be worn DIN EN 374. Suitable material: Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NR (natural rubber, natural latex), rubber gloves.

Breakthrough time (maximum wearing time) = 480min. Thickness of the glove material: 0,11mm.

Breakthrough times and swelling properties of the material must be taken into consideration.

In the case of wanting to use the gloves again, clean them before taking off and air them well. Wear cotton undermitten if possible.

Respiratory protection:

Usually no personal respirative protection necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Take a particle filter P2 when spraying. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

8.2.3. Environmental exposure controls

Inform respective authorities in case of seepage into waterways, soil or drains.

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: not determined

Odour: not determined

Safety relevant basis data

parameter		at °C	method	Remark
pH	11.4			
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition/reaction if stored intended and intended application.

10.2. Chemical stability

No decomposition/reaction if stored intended and intended application.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Protect from frost, heat and sunlight.

10.5. Incompatible materials

Strong acid

10.6. Hazardous decomposition products

Carbon dioxide (CO₂), Carbon monoxide Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
1312-76-1	Silicic acid, potassium salt	LD₅₀ oral: >2,000 mg/kg (Rat)
5964-35-2	tetrapotassium ethylenediaminetetraacetate	LD₅₀ oral: 273 mg/kg

Acute oral toxicity:

The classification criteria for this hazard class are not met by definition.

Acute dermal toxicity:

The classification criteria for this hazard class are not met by definition.

Acute inhalation toxicity:

The classification criteria for this hazard class are not met by definition.

Skin corrosion/irritation:

The classification criteria for this hazard class are not met by definition.

Eye damage/irritation:

The classification criteria for this hazard class are not met by definition.

Respiratory or skin sensitisation:

The classification criteria for this hazard class are not met by definition.

Germ cell mutagenicity:

The classification criteria for this hazard class are not met by definition.

Carcinogenicity:

The classification criteria for this hazard class are not met by definition.

Reproductive toxicity:

The classification criteria for this hazard class are not met by definition.

STOT-single exposure:

The classification criteria for this hazard class are not met by definition.

STOT-repeated exposure:

The classification criteria for this hazard class are not met by definition.

Aspiration hazard:

The classification criteria for this hazard class are not met by definition.

Additional information:

No data available

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
1312-76-1	Silicic acid, potassium salt	EC ₅₀ : >146 mg/l 2 d (Daphnia pulex (water flea)) LC ₅₀ : >146 mg/l 2 d
5964-35-2	tetrapotassium ethylenediaminetetraacetate	LC ₅₀ : 135 mg/l (Lepomis macrochirus (Bluegill)) EC ₅₀ : 100 mg/l 2 d

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

CAS No.	Substance name	Results of PBT and vPvB assessment
1312-76-1	Silicic acid, potassium salt	—
5964-35-2	tetrapotassium ethylenediaminetetraacetate	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recycle according to official regulations.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

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

Waste code packaging:

15 01 04	Metallic packaging
15 01 02	Plastic packaging

Remark:

Completely emptied packagings can be recycled through collection systems.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

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14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Störfallverordnung

Remark:

Not subject to StörfallVO.

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Description:

slightly hazardous to water (WGK 1)

Source:

Classification according to VwVwS, Annex 4.

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

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

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16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

Notice the directions for use on the label.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.