

SECTION 1: Identification of the substance/mixture and of the company/undertaking**· 1.1 Product identifier****· Trade name: JUBIZOL SILICATE FINISH S****· Article number: JSTG****· 1.2 Relevant identified uses of the substance or mixture and uses advised against**

Decorative plaster for outer walls JUBIZOL SILICATE FINISH S / STG / SILICATE SMOOTH RENDER.

· Product category

Products JUBIZOL SILICATE FINISH S / SILICATE SMOOTH RENDER 1.0, 1.5, 2.0 and 2.5 are thin layered noble plasters, manufactured on the basis of potassium water glass, with characteristic evenly grained surface and are intended for decorative protection of facade and inner wall surfaces. They easily grasp all finely grained construction foundations: on mineral base plasters of facade thermal-insulations systems, classical fine lime, lime-cement and cement plasters, and also smooth concrete surfaces, etc.

· Application of the substance / the mixture

Products JUBIZOL SILICATE FINISH S are distinguished by high strength, infammability and high vapour permeability. High resistance to the effects of smoke gases, UV rays and other atmospherilia provides stability under all climatic conditions, but are not recommended for protection of facade surfaces of high object with minimal project roofs heavily exposed to precipitation. Long-term resistance of surfaces against contaminations with wall algae and mould is provided; therefore addition of biocidal substances prior to installation is not required.

· 1.3 Details of the supplier of the safety data sheet**· Manufacturer/Supplier:**

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SLOVENIA

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· Further information obtainable from:

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· 1.4 Emergency telephone number:

During normal opening times (8 - 16h CET) Group JUB: +386 1 5884 185

Emergency number: 112

United Kindom: NPIS 0870 600 6266

SECTION 2: Hazards identification**· 2.1 Classification of the substance or mixture**

The product is classified as a dangerous mixture for the environment in accordance with the regulation on classification of chemicals (rules on classification and particularly EU Directives 1967/548/EC and 1999/45/EC, obliged to the Regulation CLP 2008/1272/EC), due to the defined content of algaecide.

Hazards for human: water glass may irritate the skin, may cause an alergic reaction.

Environmental hazards: Harmful for aquatic organism: may cause long-term adverse effects on aquatic organisms

· Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015







Trade name: JUBIZOL SILICATE FINISH S

(Contd. of page 1)

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 - **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
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- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
 - **Hazard pictograms** Void
 - **Signal word** Void
 - **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
 - **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.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
 - **Additional information:**
Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
Safety data sheet available on request.
Algicidal and fungicidal in-film protection of layer is provided by the content of Terbutryn and 2-octyl-2H-isothiazol-3-on (Art. 58, Reg. 528/20012/EC).
 - **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
The product is a chemical mixture of mineral binders and inorganic fillers.
Major components of silicate plasters: potassium water glass, styrene acrylic binder, coarse and fine calcite and aluminosilicate fillers, cellulose thickener, xanthan gum, titanium dioxide, water.
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS: 886-50-0 EINECS: 212-950-5	terbutryn  N R50/53  Aquatic Acute 1, H400;  Aquatic Chronic 1, H410;  Acute Tox. 4, H302	< 0.05%
EC number: 918-317-6	Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics  Xn R65 R66  Asp. Tox. 1, H304	< 1.0%

(Contd. on page 3)

-GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: JUBIZOL SILICATE FINISH S

		(Contd. of page 2)
EC number: 919-446-2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Xn R20-48-65; N R51/53 R10-66-67	< 1.0%
CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one T R23/24; C R34; Xn R22; Xi R43; N R50/53 Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	0.024%
CAS: 1312-76-1 EINECS: 215-199-1	Water solution of Silicic acid, potassium salt, mol ratio >3.2	< 5.0%

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
In case of gas release or seepage into the ground inform responsible authorities.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: JUBIZOL SILICATE FINISH S

(Contd. of page 3)

- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **Further information about storage conditions:**
Store under lock and key and with access restricted to technical experts or their assistants only.
- **Storage class:** Storage class: 12 – Incombustible products
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

26530-20-1 2-octyl-2H-isothiazol-3-one
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MAC	0.05 mg/m ³
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- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

- **Respiratory protection:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· **General Information**

· **Appearance:**

Form:	Pasty
Colour:	Different according to colouring
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value at 20 °C:	> 9.5
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· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: JUBIZOL SILICATE FINISH S

(Contd. of page 4)

· Flash point:	> 100 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.9 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	1.50 %
	The content of VOC: 28 g/l (the product is not subjected to Directive 2004/42/EC).
Solids content:	88.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
 - oral. > 2000 mg/kg (rat)
 - dermal. > 2000 mg/kg(rat)
 - inhal. > 2 mg/kg, 4h (rat)

886-50-0 terbutryn

Oral	LD50	2000 mg/kg (rat)
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(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: JUBIZOL SILICATE FINISH S

(Contd. of page 5)

Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>2200 mg/l (rat)

- **Primary irritant effect:**
- **on the eye:** No irritating effect.
- **Sensitisation:** Sensitisation possible through skin contact.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**

Terbutryn (CAS: 886-50-0)
 EC50 / 72h - 0,104 mg/l (Pseudokirchneriella subcapitata)
 2-octyl-2H-isothiazol-3-one (CAS: 26530-20-1)
 EC20 / 0,5h – 10,4 mg/l (Activated Sludge)
 EC20 / 3h - 7.3 mg/l (Activated Sludge)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 Harmful to aquatic organisms

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

The silicate plaster should not be disposed with household waste, poured into water, sewage or on the floor.
 Hardened deposits should be treated as construction waste.

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
15 01 02	plastic packaging

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

GB

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: JUBIZOL SILICATE FINISH S

(Contd. of page 6)

SECTION 14: Transport information

· 14.1 UN-Number	<i>The product is not a substance or mixture classified in accordance with the provisions of ADR as dangerous for transport.</i>
· ADR, ADN, IMDG, IATA	<i>Void</i>
· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	<i>Void</i>
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	<i>Void</i>
· 14.4 Packing group	
· ADR, IMDG, IATA	<i>Void</i>
· 14.5 Environmental hazards:	
· Marine pollutant:	<i>No</i>
· 14.6 Special precautions for user	<i>Not applicable.</i>
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	<i>-</i>
· UN "Model Regulation":	<i>-</i>

SECTION 15: Regulatory information

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

Following regulation was considered in the preparation of document:

Legislation on the occupational health and safety, the chemical legislation and regulations on biocidal products, regulations on classification, packaging and labeling of chemical and biocidal products and requirements on safety data sheets for chemicals and biocidal products composition, as well as regulations on the management of packaging and packaging waste and waste.

In accordance with the current regulation the product is not classified as a dangerous mixture, but can cause an allergic reaction The product is dangerous for the environment due to algaecide.

General safety measures should be considered when working or handling with the product.

· **Labelling according to Regulation (EC) No 1272/2008 -**

· **Chemical safety assessment -**

· **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 *Flammable liquid and vapour.*

H302 *Harmful if swallowed.*

H304 *May be fatal if swallowed and enters airways.*

H311 *Toxic in contact with skin.*

H314 *Causes severe skin burns and eye damage.*

H317 *May cause an allergic skin reaction.*

H331 *Toxic if inhaled.*

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2015

Revision: 26.05.2015

Trade name: JUBIZOL SILICATE FINISH S

(Contd. of page 7)

H332 Harmful if inhaled.
 H336 May cause drowsiness or dizziness.
 H372 Causes damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.
 R20 Harmful by inhalation.
 R22 Harmful if swallowed.
 R23/24 Toxic by inhalation and in contact with skin.
 R34 Causes burns.
 R43 May cause sensitisation by skin contact.
 R48 Danger of serious damage to health by prolonged exposure.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.
 R67 Vapours may cause drowsiness and dizziness.

Recommended restriction of use

Claims contained in this document are based on our actual knowledge at the time of revision of this document. They do not undertake the properties of the product described in terms of the legal provisions for the pledge.

Placing this document as available does not unbind the product customer from its responsibility to comply with all relevant laws and regulations applicable for this product. This is especially valid in the case of product resale or resale of its mixtures or manufactured products from other areas of law and industrial property rights of third parties. If the product described above is changed by crafting or mixing with other materials, it is not possible to transfer claims from this document onto a newly made product, unless otherwise specified. In the case of product re-packaging the customer must attach the required relevant safety information as well.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 Flam. Liq. 3: Flammable liquids, Hazard Category 3
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Acute Tox. 3: Acute toxicity, Hazard Category 3
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

*** Data compared to the previous version altered. Version 1.0, 4.12.2014.**

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