

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

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

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

· **1.1 Product identifier**

· **Trade name:** JUPOL Bio silicate

· **Article number:** 2.000.276

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

· **Life cycle stages**

PW Widespread use by professional workers

C Consumer use

· **Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU19 Building and construction work

· **Product category** PC9a Coatings and paints, thinners, paint removers

· **Process category** PROC10 Roller application or brushing

· **Environmental release category** ERC10a Widespread use of articles with low release (outdoor)

· **Application of the substance / the mixture**

Interior wall paint

Dispersion paint/ Latex paint

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

JUB d.o.o.

Dol pri Ljubljani 28

1262 DOL PRI LJUBLJANI

SLOVENIA

T: + 386 1 5884 183

F: + 386 1 5884 250

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· **Further information obtainable from:**

Laura Učakar

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· **1.4 Emergency telephone number:**

UK Emergency number: 999

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

# Safety data sheet

## according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 1)

### SECTION 2: Hazards identification

#### · 2.1 Classification of the substance or mixture

In accordance with Regulations on the classification of chemicals, the product is not classified as a hazardous compound since the content of potentially hazardous components is significantly lower than the classification criteria.

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

The product is not classified, according to the CLP regulation.

#### · 2.2 Label elements

##### · Labelling according to Regulation (EC) No 1272/2008 Void

##### · Hazard pictograms Void

##### · Signal word Void

##### · Hazard statements Void

#### · Additional information:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

#### · 2.3 Other hazards

##### · Results of PBT and vPvB assessment Not applicable.





##### · PBT: Not applicable.

##### · vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### · Description: Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17	titanium dioxide -----  Carc. 2, H351	5-10%
CAS: 546-93-0	Magnesite substance with a Community workplace exposure limit	0-≤1%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide -----  Skin Corr. 1A, H314  Acute Tox. 4, H302	0-≤0.1%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide -----  Met. Corr. 1, H290; Skin Corr. 1A, H314	0-≤0.01%

#### · Additional information: For the wording of the listed hazard phrases refer to section 16.

GB

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

**Trade name: JUPOL Bio silicate**

(Contd. of page 2)

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  - **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.
  - **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
  - **After swallowing:**  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Do not induce vomiting; call for medical help immediately.
- **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

- **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.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Use neutralising agent.  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

(Contd. on page 4)

## Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

**Trade name: JUPOL Bio silicate**

(Contd. of page 3)

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.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:** Protect from frost.
- **Storage class:** 12
- **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**

<b>Ingredients with limit values that require monitoring at the workplace:</b>	
<b>CAS: 546-93-0 Magnesite</b>	
WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
<b>CAS: 1310-58-3 potassium hydroxide</b>	
WEL	Short-term value: 2 mg/m <sup>3</sup>
<b>CAS: 1310-73-2 sodium hydroxide</b>	
WEL	Short-term value: 2 mg/m <sup>3</sup>

- **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.

Do not eat or drink while working.

- **Protection of hands:**

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

Protective gloves

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

**Trade name: JUPOL Bio silicate**

(Contd. of page 4)

Check protective gloves prior to each use for their proper condition.

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

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

After use of gloves apply skin-cleaning agents and skin cosmetics.

· **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:**

Safety glasses

Tightly sealed goggles

Goggles recommended during refilling

· **Body protection:** Use protective suit.

· **Risk management measures**

It is recommended to use high-quality work clothing and protective equipment. Use only outfits that meet the following standards:

- Protective gloves that meet the criteria of BS EN 374.

- Protective goggles must comply with standard BS EN 166.

- Protective mask respirator for fine dust particles and vapors should be in accordance with BS EN 143 (full face masks).

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Fluid

**Colour:** Different according to colouring

· **Odour:** Mild

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 10-11.4

· **Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:**  $\geq 100$  °C

· **Flash point:** Not applicable.

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 5)

· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	1.52-1.57 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic at 20 °C:</b>	6,000-9,000 mPas
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	(skladno z direktivo 2004/42/ES je proizvod premaz kategorije A/a). <1.0 g/l
· <b>Water:</b>	26.4 %
· <b>VOC (EC)</b>	0.06 %
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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.

GB

(Contd. on page 7)

## Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 6)

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

<b>CAS: 13463-67-7 titanium dioxide</b>		
Oral	LD50	mg/kg (rat)
Dermal	LD50	mg/kg (rabbit)
Inhalative	LC50/4 h	mg/l (rat)
<b>CAS: 1310-58-3 potassium hydroxide</b>		
Oral	LD50	273 mg/kg (rat)
<b>CAS: 1310-73-2 sodium hydroxide</b>		
Oral	LD50	2,000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity 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.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

<b>CAS: 1310-73-2 sodium hydroxide</b>	
LC50/ 96 h	45 mg/l (/)

- **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.

(Contd. on page 8)

GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

**Trade name: JUPOL Bio silicate**

(Contd. of page 7)

· **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.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **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**

· **Recommendation**

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

Hand over to hazardous waste disposers.

· **European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
15 01 02	plastic packaging

· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

(Contd. on page 9)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 8)

- |  |                 |
|--|-----------------|
| · <b>14.5 Environmental hazards:</b>   | Not applicable. |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Void            |

### 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.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

#### · **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **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**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

#### · **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

(Contd. on page 10)

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

Revision: 09.11.2020

Version number 3

Date of the first version: 12.04.2019

**Trade name: JUPOL Bio silicate**

(Contd. of page 9)

must attach the required relevant safety information as well.

**· Department issuing SDS:**

JUB d.o.o.

Product safety department

**· Contact:**

Laura Učakar

laura.ucakar@jub.eu

**· 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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr.1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Carc. 2: Carcinogenicity – Category 2

**· \* Data compared to the previous version altered.**

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