Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 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
E: info@jub.si

· **Further information obtainable from:**
Laura Učakar
T: +386 1 5884 185
F: +386 1 5884 227
E: laura.ucakar@jub.eu

(Contd. on page 2)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 1)

· **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.

SECTION 2: Hazards identification

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

· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the GB 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.
· **Determination of endocrine-disrupting properties** Not applicable.

*
SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **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 EUH210, EUH211 Note: V, W, 10	5-10%
CAS: 1317-65-3 EINECS: 215-279-6	calcium carbonate substance with a Community workplace exposure limit	25-50%

· **Additional information:**
The product is liquid and therefore not classified as H351 in accordance with Regulation (EU) 2020/217, although it contains more than 1% titanium dioxide.
For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 3)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 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.
If symptoms persist consult doctor.
Rinse out mouth and then drink plenty of water.

· **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

· **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **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 section 13.

· **6.4 Reference to other sections**
See Section 7 for information on safe handling.

(Contd. on page 4)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 3)

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.

· **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

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
CAS: 1317-65-3 calcium carbonate	
WEL	Long-term value: 10* 4** mg/m³ *inhalable dust; **respirable

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as 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.

· **Respiratory protection:**
Use suitable respiratory protective device only when aerosol or mist is formed.
Protective mask should be in accordance with BS EN 14387.

· **Hand protection**
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 UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 4)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Protective gloves that meet the criteria of BS EN 374.
Check protective gloves prior to each use for their proper condition.
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/face protection**
Safety glasses
Goggles recommended during refilling
Protective goggles must comply with standard BS EN 166.

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

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Fluid
· **Colour:**	Different according to colouring
· **Odour:**	Mild
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	≥100 °C (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **pH at 20 °C**	10-11.4
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.

(Contd. on page 6)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 5)

· **Dynamic at 20 °C:**	6,000-9,000 mPas
· **Solubility**	
· **water:**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C:**	1.52-1.57 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Solvent content:**	(skladno z direktivo 2004/42/ES je proizvod premaz kategorije A/a). <1.0 g/l
· **Water:**	26.4 %
· **VOC (EC)**	0.06 %

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

(Contd. on page 7)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 6)

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.

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
CAS: 13463-67-7 titanium dioxide		
Oral	LD50	mg/kg (rat)
Dermal	LD50	mg/kg (rabbit)
Inhalative	LC50/4 h	mg/l (rat)

· **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.

· **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.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

(Contd. on page 8)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 7)

SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.

· **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.

· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **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.

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.

(Contd. on page 9)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 8)

SECTION 14: Transport information

· **14.1 UN number or ID 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
· **14.5 Environmental hazards:**	Not applicable.
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	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.

· **Poisons Act**

· **Regulated explosives precursors**
None of the ingredients is listed.

· **Regulated poisons**
None of the ingredients is listed.

· **Reportable explosives precursors**
None of the ingredients is listed.

· **Reportable poisons**

CAS: 1310-58-3	potassium hydroxide	17% of total caustic alkalinity
CAS: 1310-73-2	sodium hydroxide	12% of total caustic alkalinity

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

(Contd. on page 10)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 9)

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void
· **Directive 2004/42/EC**

· **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.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
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.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**
H351 Suspected of causing cancer.
EUH210 Safety data sheet available on request.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

· **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

(Contd. on page 11)

Safety data sheet
according to UK REACH

Revision: 21.05.2025 Version number 4 Date of the first version: 12.04.2019

Trade name: JUPOL Bio silicate

(Contd. of page 10)

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.

· **Department issuing SDS:**
JUB d.o.o.
Product safety department

· **Contact:**
Laura Učakar
laura.ucakar@jub.eu

· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international 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
Carc. 2: Carcinogenicity – Category 2

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