Safety data sheet
according to Regulation (EC) No 1907/2006 (REACH)

volimea

SILICATE-PLASTER BASE PRIMER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE UNDERTAKING

1.1. Product identifier

Trade name/designation:
Volimea Silicate-Plaster Base Primer

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

Adhesion primer

1.3. Information about the manufacturer/supplier

VOLIMEA GmbH & Cie. KG
Josef-Rodenstock-Strasse 5
37308 Heilbad Heiligenstadt

Phone: 03606/50 666 0
Fax: 03606/50 666 10

E-mail: info@volimea.de
Website: www.volimea.de

1.4. Emergency number

During business hours:
Telephone: 03606/50 666 0 (Mon-Fri: 8:00 - 16:00)
Mrs Dorenwendt-Zarski, Mr Heiderich, Mr Gümpel

E-mail (competent person): info@volimea.de

SECTION 2: POSSIBLE RISKS

2.1. Classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008 [CLP]

The mixture is not classified as dangerous within the meaning of Regulation (EC) No 1272/2008 [CLP].

2.2. Labelling elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:
The product is not subject to compulsory labelling according to EC directives or the respective national laws.

Supplementary risk features (EU)	
EUH208	Contains 5-chloro-2-methyl-2H-isothiazol-3-one. May cause allergic reactions
EUH210	Safety data sheet available on request
EUH211	WARNING! During spraying, dangerous respirable drops can be formed. Do not inhale aerosolvor mist or mist

2.3. Other risks

Possible adverse effects on humans and possible symptoms:
Damage may occur due to mechanical action of the dried product. Particles and dust from mechanical processing: May cause eye irritation. May cause respiratory irritate. Part of the dust produced is respirable and may be harmful to the lungs.

SECTION 3: COMPOSITION/INFORMATION ON COMPONENTS

3.1. Mixtures

Description:
Quarz (SiO2), polymer preparations and compounds, additives

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 14808-60-7 EC No.: 238-878-4	Quartz (SiO2) Substance to which a Community occupational exposure limit value applies at the workplace applies.	40 - 60 % by weight
CAS No.: 1317-65-3 EC No.: 215-279-6	Limestone The substance is classified as non-hazardous according to Regulation (EC) No 1272/2008 [CLP].	20 - 30 % by weight
CAS No.: 13463-67-7 EC No.: 236-675-5 REACH number: 01-2119489379-17	Titanium dioxide (TiO2) The substance is classified as non-hazardous according to Regulation (EC) No 1272/2008 [CLP]	1 - 3 % by weight
CAS-Nr.: 1312-76-1 EG-Nr.: 215-199-1 REACH-Nr.: 01-2119456888-17	Potassium silicate Eye Irrit. 2, Skin Irrit. 2 Caution H315-H319	1 – 3 % by weight
CAS-Nr.: 26172-55-4 EG-Nr.: 247-500-7	5-Chlor-2-methyl-2H-isothiazol-3-on Acute Tox. 2, Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1, Eye Harm. 1, Skin Corr. 1B, Skin Sens. 1 Gefahr H301-H310-H314-H317-H318-H330-H400-H410	0,00015 – < 0,0015 % by weight

3.1.2. Text of the R, H and EUH phrases (number and full text)

Hazard statements:
H301 Toxic if swallowed.
H310 Danger to life in case of skin contact.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause allergic skin reactions.
H318 Causes serious eye damage.
H319 Causes severe eye irritation.
H330 Danger to life by inhalation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:
Remove casualties from the danger zone. Remove soiled, soaked clothing. If unconscious, place in a stable lateral position and seek medical advice. Do not leave victim unattended.
If you feel unwell, seek medical advice/attention.

After inhalation:
Provide fresh air.

On skin contact:
Wash off with plenty of water. In case of skin irritation: seek medical advice/attention.

After eye contact:
In case of contact with eyes, rinse thoroughly with water. In case of eye irritation, consult an ophthalmologist.

After swallowing:
Rinse mouth immediately and drink plenty of water. DO NOT induce vomiting. Seek medical advice/attention.

4.2. Main acute or delayed symptoms and effects

May cause skin irritation. May cause eye irritation. May cause allergic skin reactions.

4.3. Information on emergency medical aid or special treatment

Symptomatic treatment.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Suitable extinguishing media
Adapt extinguishing measures to the environment.

5.2. Special hazards arising from the substance or mixture
The product itself does not burn. No special fire protection measures required.

Dangerous combustion products:
In the event of fire, toxic gases/vapours may be produced.

5.3. Instructions for fire fighting
Wear self-contained breathing apparatus and chemical protection suit.

5.4. Additional notes
Collect contaminated extinguishing water separately. Do not discharge into drains or watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. Staff not trained for emergencies
Personal precautions:
Avoid contact with eyes and skin. Bring persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. Emergency services
Personal protective equipment:
See section 8

6.2. Environmental protection measures
Do not discharge into drains or watercourses. Do not allow to reach the subsoil/soil.

6.3. Methods and material for retention and cleaning
For restraint:
Wipe up with absorbent material (e.g. cloth, fleece). Handling of larger quantities: Absorb with liquid-binding material (sand, diatomite, acid binder, universal binder).

For cleaning:
Use water with added surfactant.

6.4. Reference to other sections
Safe handling: see section 7
Personal protective equipment: see section 8
Disposal: see section 13

6.5. Additional notes
Use a suitable container to avoid contamination of the environment.

SECTION 7: HANDLING AND STORAGE

7.1. Protective measures for safe handling
Instructions for safe handling:
Avoid contact with skin, eyes and clothing. Take off soiled, soaked clothing. Wash soiled clothing before reuse.
Wear personal protective equipment (see section 8).

Fire protection measures:
No special measures are required.

Environmental protection measures:
Discharge into the environment must be avoided.

Information on general industrial hygiene:
Do not eat, drink or smoke during processing. Wash hands and face thoroughly before breaks and at the end of work. Use skin care products after work.

7.2. Conditions for safe storage, taking into account incompatibilities

Technical measures and storage conditions:
Keep container tightly closed and store in a cool, well-ventilated place.

Conditions to be avoided:
Frost, heat, UV radiation/sunlight

Requirements for storage rooms and containers:
Floors should be impermeable, resistant to liquids and easy to clean.
Store only in the original container.

Information on storage together:
Keep away from food, drink and animal feed.

7.3 Specific end uses

Recommendation: Adhesion primer
Giscode: GISCODE M- GP01

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Parameters to be monitored

No data available.

8.1. 1. Workplace limit values

Limit type (Country)	**Substance name**	**1. long-term workplace limit value 2. short-term workplace limit value 3. instantaneous value 4. monitoring or observation procedure 5. remark**
BOELV (EU)	Quarz (SiO_2) CAS-Nr.: 14808-60-7	1. 0,1 mg/m³ 5. (Silica,crystalline; respirable fraction)
TRGS 900 (DE)	Titandioxid (TiO_2) CAS-Nr.: 13463-67-7	1. 0.3 mg/m³ multiplied by the material density 2. 2.4 mg/m³ multiplied by the material density 5. (alveolar fraction)
TRGS 900 (DE)	5-Chlor-2-methyl-2H-isothiazol-3-on CAS-Nr.: 26172-55-4	1. 0.2 mg/m³ 2. 0.4 mg/m³ 5. Inhalable fraction (reaction mixture consisting of5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

8.1.2.Biological limits

No data available.

8.1.3.DNEL/PNEC values

No data available.

8.2 Exposure controls and monitoring

No data available.

8.2.1 Appropriate engineering controls

Technical measures and the use of appropriate work procedures shall take precedence over the Use of personal protective equipment. Ventilate the affected area.

8.2.2 Personal protective equipment

Eye/face protection:
During filling and decanting, wear frame glasses with side protection (DIN EN 166).

Skin protection:
We recommend that you rub your hands with water-resistant skin protection products before starting work.

Filling and decanting:
Tested protective gloves must be worn (DIN EN 374). Recommended material: NBR (nitrile rubber)
Material thickness: > 0.11 mm
Penetration time (maximum wearing time): > 480 min

The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of the hazardous substance. It is recommended to check the chemical resistance of the above protective gloves for special applications with the glove manufacturer. If gloves are to be reused, clean them before removing and store them in a well-ventilated place and store in a well-ventilated area.

Respiratory protection:
Normally no personal respiratory protection necessary. Ensure adequate ventilation.
Respiratory protection must be used when exposed to vapors, dusts and aerosols. Use suitable respiratory protection. Combination filter device, filter type A-P2

Other protective measures:
Wear suitable protective clothing during work.

8.2.3. Limitation and monitoring of environmental exposure
No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on the basic physical and chemical characteristics
State of aggregation: liquid
Colour: white
Smell: odourless

Safety relevant basic data

Parameters		at	Method	Comment
pH value	not determined			
Melting point/freezing point	not determined			
Freezing point	not determined			
Boiling start and boiling range	not determined			
Decomposition temperature	not determined			

Parameters		at	Method	Comment
Flash point	not applicable			
Evaporation rate	not determined			
Ignition temperature	not determined			
Upper/lower flammability or explosive limits	not applicable			
Vapour pressure	not determined			
Steam density	not applicable			
Density	≈ 1,7 -1,8 g/ml	20 °C		
Bulk density	not applicable			
Water solubility	dispersible			
Distribution coefficient n-octanol/water	not determined			
Viscosity, dynamic	not determined			
Viscosity, kinematic	not determined			

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product itself does not burn.

10.2. Chemical stability

The product is chemically stable under the recommended storage, use and temperature conditions.

10.3. Possibility of dangerous reactions

No dangerous reactions occur when handled and stored as intended.

10.4. Conditions to avoid

Frost, heat, UV radiation/sunlight

10.5. Incompatible materials

No data available.

10.6. Dangerous decomposition products

No dangerous decomposition products are known.
In case of fire can occur:
Gases/vapours, toxic

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity:
Based on the available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on the available data, the classification criteria are not met.

Acute dermal toxicity:
Based on the available data, the classification criteria are not met.

Corrosive/irritating effect on the skin:
Based on the available data, the classification criteria are not met. May cause skin irritation.

Eye damage/irritation:
Based on the available data, the classification criteria are not met. May cause eye irritation.

Sensitisation of the respiratory tract or skin:
Based on the available data, the classification criteria are not met.

Carcinogenicity:
Based on the available data, the classification criteria are not met.

Reproductive toxicity:
Based on the available data, the classification criteria are not met.

Specific target organ toxicity (STOT) at single exposure:
Based on the available data, the classification criteria are not met.

Specific target organ toxicity (STOT) at repeated exposure:
Based on the available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on the available data, the classification criteria are not met.

Risk of aspiration:
Based on the available data, the classification criteria are not met

Additional information:
Damage may occur from mechanical action of the dried product. Particles and dust from mechanical processing: May cause eye irritation. May cause respiratory irritant. Some of the dust produced is respirable and may be harmful to the lungs.

SECTION 12: ENVIRONMENTAL INFORMATION

12.1 Toxicity

Aquatic toxicity:
Based on the available data, the classification criteria are not met.

Behaviour in sewage treatment plants:
The insoluble part can be separated mechanically in suitable sewage treatment plants.

Additional ecotoxicological information:
Discharge into the environment must be avoided. Do not discharge into the sewerage system. Do not allow to reach the subsoil/ground.

12.2. Persistence and degradability Biodegradation:
No data available

12.3. Bioaccumulation potential
Accumulation/evaluation:
No indication of bioaccumulation potential.

12.4. Mobility in soil
No data available

12.5. Results of the PBT and vPvB assessment
The substances in the mixture do not fulfil the PBT/vPvB criteria according to REACH, Annex XIII.

12.6 Other adverse effects
No data available.

SECTION 13: DISPOSAL INSTRUCTIONS

13.1. Waste treatment methods

Proper disposal / product:
Dispose of in accordance with official regulations. For waste disposal, contact the appropriate authorized waste disposal company. company.

Proper disposal/packaging:
Completely emptied packaging can be sent for recycling.

Other disposal recommendations:
The waste code numbers/waste designations are to be assigned in accordance with the European Waste Catalogue (EWC). Collect in suitable, closed containers and bring to disposal.

13.2. Additional information

Waste for disposal must be classified and labelled.

SECTION 14: INFORMATION ON TRANSPORT

14.1. UN no.

not relevant

14.2. Proper UN shipping name

not relevant

14.3. Transport hazard classes

not relevant

14.4. Packaging Group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for the user

not relevant

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

not relevant

SECTION 15: LEGISLATION

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

15.1.1. EU legislation

Other EU legislation:
Observe Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Observe employment restrictions under the Youth Employment Protection Act (94/33/EC). The product meets the requirements of the EU Directive 2004/42/EC on the limitation of VOC content.

15.1.2. National regulations

[EN] National provisions
Storage class according to TRGS 510 (LGK)
LGK 12 - Non-flammable liquids that do not belong to any of the above storage classes.

Water hazard class (WGK):
WGK 1 - slightly hazardous to water
Remark:
Self-classification according to AwSV (mixture, calculation rule).

Technical rules for hazardous substances:
TRGS 510 - Storage of hazardous substances in transportable containers

Regulations of the Employer's Liability Insurance Association (DGUV regulations)
BGV D25 Processing of coating materials
DGUV regulation 112-190 (BGR 190): „Use of breathing apparatus"
DGUV regulation 112-192 (BGR 192): „Use of eye and face protection"
DGUV regulation 112-195 (BGR 195): „Use of protective gloves"

Trade Association for Raw Materials and Chemical Industry (BG RCI), leaflets:
A 008 - Personal protective equipment/A 008-1 - Chemical protection
A 023 - Hand and skin protection
M 004 - Irritant substances/corrosive substances
M 050 - Activities involving dangerous substances
M 053 - Health and safety measures for activities involving hazardous substances
M 062 - Storage of hazardous substances

15.2. Chemical Safety Assessment
No data available.

SECTION 16: OTHER INFORMATION

16.1. Notice of amendment
No data available

16.2. Abbreviations and acronyms
See overview table at www.euphraceu

16.3. Important literature references and data sources
European Chemicals Agency (ECHA): www.echa.europa.eu
ECHA, C&L Inventory: www.echa.europa.eu/information-on-chemicals/cl-inventory-database
ECHA, Registered substances: www.echa.europa.eu/information-on-chemicals/registered-substances

GESTIS (DGUV's hazardous substances information system): www.dguv.de/ifa/GESTIS/index.jsp Manufacturers' safety data sheets

16.4. Classification of mixtures and assessment method used in accordance with Regulation (EC) No 1272/2008 [CLP]
The mixture is not classified as dangerous within the meaning of Regulation (EC) No 1272/2008 [CLP].

16.5. Text of the R, H and EUH phrases (number and full text)
Hazard statements:
H301 Toxic if swallowed.
H310 Danger to life in case of skin contact.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause allergic skin reactions.
H318 Causes serious eye damage.
H319 Causes severe eye irritation.
H330 Danger to life by inhalation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

16.6. Training notes
No data available.

16.7. Additional notes

The information in this safety data sheet has been compiled to the best of our knowledge and is corresponds to the state of knowledge on the date of revision. The information is intended to give you hints for the safe handling of the mentioned product during storage, processing, transport and disposal, processing, transport and disposal. However, it does not guarantee compliance with certain properties in the sense of being legally binding.
The current version is available on the Internet at www.volimea.de/download-center

Products of VOLIMEA GmbH & Cie KG are manufactured exclusively for professional processors who have a basic knowledge in handling and using chemical and technical products for surface design. The processing instructions for our qualities given in the data sheets are to be regarded exclusively as non-binding recommendations and do not represent any guarantee. These recommendations are based on our experience and test series and are intended to facilitate the work of our customers. Any possible deviation from the ideal working conditions is the responsibility of our customers and may affect the result of the application. However, this does not release the purchaser from his obligation to check the product and its suitability for the surface to be treated, preferably by means of a trial application. In the event of any doubt regarding the handling or processing of the product purchased, our sales representatives and technicians will provide you with information to the best of their knowledge. It goes without saying that VOLIMEA GmbH & Cie. KG guarantees the perfect quality of its products in accordance with the respective product specifications, but the responsibility for the use of the delivered products lies exclusively with the purchaser. Unless we have expressly warranted specific properties and suitability of the products for a contractually determined purpose, any advice or information on application technology, although given to the best of our knowledge, is in any case non-binding and does not constitute a warranty. VOLIMEA is liable for the use of its products by its customers in accordance with its General Terms and Conditions of Sale and Delivery, to which the customer is hereby referred. The current technical data sheet can be downloaded from our website. The validity of previous technical data sheets expires after the publication of a new edition. Status: 2021-05-14.