

Safety Data Sheet
according 1907/2006/EC (REACH), 2015/830/EU

Silicate

Date : 01/09/2018

Version No. 3

Review date: 17/06/19

1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

Product identifier

1.1 A. Product name: **SILICATE**

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

Relevant identified uses of the substance or mixture:

Basic mineral amendment of natural origin rich in silica, calcium and magnesium, for use in hydroponic cultivation or in soil.

Uses advised against:

Any use not specified in this section or in section 7.3

Use Descriptor System (REACH): No data available (not applicable).

1.3 Details of the supplier of the safety data sheet

Supplier identification	Terra Aquatica Sarl (GHE)
Address	Route de Lecture, 32500 Fleurance
Phone number	+33 (0)5 62 06 08 30
E-mail address	info@eurohydro.com

1.4 Emergency telephone number

Medical services/ emergency services	15
Fire and rescue services	18
Police	17
EU Emergency call line	112
Toxicological Information Centre ORFILA (INRS)	01 45 41 59 59
Toxicological Information Centre South West	05 61 77 74 47

2 SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Reg. 1272/2008/CLP In accordance with Regulation No. 1272/2008 (CLP), the product is not considered dangerous.

Additional information :

Hazards for humans	Prolonged inhalation of very fine powder is irritating to the respiratory system.
Environmental hazards	None
Physico-chemical hazards	None
Other hazards	None

Labelling elements

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

2.2	Hazard pictograms	None
	Signal word	None
	Hazardous substances to be indicated on the label	None
	Hazard statements H:	None
2.3	Other hazards	
	Reg. 1272/2008/CLP	None
	Precautionary statements P:	Phrases P P102 Keep out of reach of children

3 SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances	Non applicable
3.2	Mixtures Name	A natural mixture of minerals not containing substances classified as hazardous to health or the environment in accordance with the instructions of Directives 67/548/EEC and/or Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations). Composition: silica, calcium, magnesium

4 SECTION 4: FIRST AID MEASURES

No known incidents of damage to persons who have used this product.

However, in case of doubt or if symptoms persist, seek medical attention. Do not give anything by mouth to an unconscious person. The general measures described below should be adopted:

4.1 Description of first aid measures

Following eye contact	Do not allow the victim to rub their eyes or keep their eyes closed. Immediately flush eyes, including under the eyelids, with plenty of clean, clear water for at least 15 minutes. Check if the victim is wearing contact lenses and if so, remove them. Consult a doctor immediately.
Following skin contact	Rinse the irritated area thoroughly with water for at least 15 minutes. Remove contaminated clothing. If the skin is red or puffy, if irritation persists, consult a doctor.
Following ingestion	Do not induce vomiting. Rinse the mouth with water. If a person has swallowed this product and is conscious, give small amounts of water to drink. Call a doctor if adverse health effects persist or worsen.

Following inhalation	If inhaled, move to fresh air. In case of breathing difficulties, consult a doctor as soon as possible.
Self-protection of the first aider	No action should be taken that involves an individual risk or in the absence of appropriate training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It can be dangerous for the person assisting a victim to practice mouth-to-mouth. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Other information	For further details of first aid administration, including but not limited to more serious health effects, the doctor may consult the Toxicological Information Centre, hotline: see section 1.4
4.2 Most important symptoms and effects, both acute and delayed	<p>Potential acute health effects: No known effect / no data are available.</p> <p>Signs/symptoms of overexposure: No specific data.</p>
4.3 Indication of any immediate medical attention and special treatment needed	<p>Note to the attending physician</p> <p>Symptomatic treatment required. No special treatment.</p>

5 SECTION 5 : FIREFIGHTING MEASURES

Extinguishing media	<p>The product is not flammable. Fire hazard low due to the flammability characteristics of the product under normal storage, handling and use conditions.</p> <p>Suitable extinguishing media: In the event of continued combustion, caused by improper handling, storage or use, the following extinguishing media may be used: carbon dioxide (CO₂), foam, chemical powders, and in the event of a widespread fire, also water spray.</p> <p>Inappropriate extinguishing media: In case of fire, do not use: Water jet</p>
5.1 Special hazards arising from the substance or mixture	<p>Hazards due to the substance or mixture: Given its flammability characteristics, the product does not present a specific risk of fire or explosion under normal storage, handling and use conditions.</p> <p>Risk related to thermal decomposition products: A fire in the surrounding area will often produce thick black smoke. Exposure to compositional products may pose health risks. Do not breathe dust, vapours or fumes released by the combustion of the products.</p>
5.2 Advice for firefighters	<p><u>Protective actions to be taken when fighting fires</u> None of them</p> <p><u>Appropriate protective equipment</u> The product is not combustible. In the event of a fire in the surrounding area, appropriate extinguishing media and protective equipment may be used for the other materials present (full protective clothing and personal respiratory equipment), in accordance with EN469 for a basic level of protection against chemical incidents. Have a minimum of emergency facilities or intervention elements (fire blankets, medicine</p>
5.3	

kit, etc.) in accordance with Directive 89/654/EC.

Other information

Additional provisions:

5.4

Respond in accordance with the Internal Emergency Plan and the Fact Sheets on Accident and Other Emergency Response. Remove all sources of ignition. In case of fire, refrigerate containers and storage tanks for products that may ignite and explode as a result of high temperatures. Avoid spilling products used to extinguish the fire in the aquatic environment.

6 SECTION 6 : ACCIDENTAL RELEASE MESURES

6.1 Personal precautions, protective equipment and emergency procedures

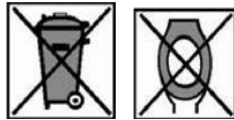
For non-emergency personnel

No action should be taken that involves an individual risk or in the absence of appropriate training. Evacuate the area. Prevent access to persons not required and not wearing protective clothing. DO NOT touch or walk in spilled material. Ensure adequate ventilation. Wear protective equipment.

For emergency responders

If specific clothing is required to handle the spill, refer to Section 8 for appropriate and inappropriate materials. See also the information contained in "For personnel other than response personnel"

Environmental precautions



6.2

Avoid contamination of soil, sewers, surface water and groundwater. If this happens, inform the competent authorities.

Methods and material for containment and cleaning up

6.3

For containment:

Sewer coverage

For cleaning up:

Collect the spilled product by mechanical means and remove any residues by water jets. Provide adequate ventilation at the location of the spill. The disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

Reference to other sections

6.4

Collect the remains in an identified container: see point 13 for disposal.

Personal protective equipment: see section 8

Withdrawal considerations: see section 13.

See section 1 for emergency contact information.

7 SECTION 7 : HANDLING AND STORAGE

Precautions for safe handling

7.1

Avoid the formation of suspended particles and the dispersion of the product in the air.

Use adequate ventilation in areas where suspended particles develop.

Keep away from flames and sparks. Do not smoke. Keep away from heat sources and other sources of fire.

Advice on professional hygiene in general:

It is prohibited to eat, drink or smoke in areas where this product is handled, stored or used. It is recommended that staff wash their hands and face before eating,

drinking or smoking. Remove contaminated clothing and protective equipment before entering a food court. See also section 8 for more information on hygiene measures.

Conditions for safe storage, including any incompatibilities

7.2

Store in accordance with local regulations. Store in the original container away from direct sunlight in a dry, cool and well-ventilated place away from incompatible materials (see section 10). Keep under lock and key. Keep container tightly closed when not in use. Containers that have been opened must be carefully closed again and kept in an upright position to prevent leaks. Do not store in unlabelled containers. Do not store in the presence of food products. Use an appropriate container to avoid contamination of the surrounding environment. Surround storage facilities with containment dykes to prevent soil and water pollution in the event of a spill.

Specific end use(s)

7.3

No specific end uses.

Good practices: keep in closed containers. Close containers before and after each use to avoid sources of moisture or heat. Store in areas with waterproof pavement.

8 SECTION 8 : EXHIBITION CONTROLS/INDIVIDUAL PROTECTION

8.1 Control parameters

Not applicable

8.1

Use good industrial hygiene practices.

8.2 Exposure controls

Appropriate engineering controls

No particular control

Individual protection measures, such as personal protective equipment

No personal protection required

Eye/face protection

Not required

Skin protection

Hands : Not required

Others : Not required

Respiratory protection

Not necessary, except in case of particular sensitivity: use of a mask

Body protection

Not required

Environmental exposure controls

Not required

9 SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state: solid, fine powder

Color: greyish - greenish

Odour

Almost no odor

pH

7.7

Melting point

Not determined

Freezing point

Not determined

Initial boiling point and boiling range

Not determined

Flash point

Not applicable

Evaporation rate

Not applicable

Flammability (solid, gas)

Non inflammable

Upper/lower flammability or explosive limits

Not applicable

Vapour pressure

Not determined

Vapour density	Not determined
Relative density	Not determined
Solubility(ies) 20°C	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	None
Oxidising properties	None
Refraction index	Not determined
Rotary power	Not determined

9.2

Other information

No other information

10 SECTION 10 : STABILITY AND REACTIVITY

10.1	Reactivity	No specific reactivity test data are available for this product or its components in normal conditions of use.
10.2	Chemical stability	The product is stable at room temperature in closed packages and under normal storage and handling conditions.
10.3	Possibility of hazardous reactions	No risk of dangerous reactions under normal use and storage conditions.
10.4	Conditions to avoid	No special conditions to avoid.
10.5	Incompatible materials	No specific data.
10.6	Hazardous decomposition products	Under normal storage and use conditions, no hazardous decomposition products should occur.

11 SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

a) acute toxicity;	In view of the available data, the classification criteria are not met.
(b) skin corrosion/irritation;	
(c) serious eye damage/irritation;	No health damage resulting from exposure to the known product.
(d) respiratory or skin sensitisation;	
(e) germ cell mutagenicity;	
(f) carcinogenicity;	
(g) reproductive toxicity;	
(h) STOT-single exposure;	
(i) STOT-repeated exposure;	
(j) aspiration hazard	
Symptoms related to the physical, chemical and toxicological characteristics	Ingestion: unknown health effects Inhalation: possibility of slight irritation of the respiratory tract Skin exposure: no known effects Eye exposure: possibility of slight eye irritation
Delayed and immediate effects as well as chronic effects from short- and long-term exposure	Health effects are considered unlikely if the product is used as recommended
Interactive effects	No data available

Absence of specific data	No data available
Mixtures	No data available
Mixture versus substance information	Not applicable
Other information	Comply with good industrial hygiene practices

12 SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity	No known significant effects or critical hazards.
12.2 Persistence and degradability	Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena.
12.3 Bioaccumulative potential	It cannot be expected to bioaccumulate in the environment through food chains.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not Applicable
12.6 Other adverse effects	No known significant effects or critical hazards.

13 SECTION 13 : DISPOSAL CONSIDERATIONS

Waste treatment methods	Non-hazardous residues, do not require any special treatment method. No physical/chemical properties affecting waste treatment. Where they cannot be reused, contaminated residues or packaging waste as such must be considered as non-hazardous special waste. They must be disposed of in authorized landfills. In accordance with current legislation, do not discharge waste water into the environment.
13.1 Waste codes / waste designations according to LoW:	Not applicable

14 SECTION 14 : TRANSPORT INFORMATION

Non-hazardous transport. In the event of an accident and product spillage, proceed as described in point 6

14.1 UN number	Non-hazardous transport
14.2 UN proper shipping name	Non-hazardous transport
14.3 Transport hazard class(es)	Non-hazardous transport
ADR	Non-hazardous transport
IMDG	Non-hazardous transport
OACI/IATA	
14.4 Packing group	Non-hazardous transport
14.5 Environmental hazards	Non-hazardous transport
14.6 Special precautions for user	Non-hazardous transport

14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Non applicable/ Non-hazardous transport

15 SECTION 15 : REGULATORY INFORMATION

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

15.1

Reg. 1272/2008/CE The product does not contain substances that can be classified as carcinogenic. 1 or 2 according to Reg.1272/2008/EC and subsequent updates.

Reg. 830/2015/CE (REACH) Not applicable

Special hazards To our knowledge, no other national or governmental regulations apply.

15.2

Chemical safety assessment Evaluation not carried out

16 SECTION 16 : OTHER INFORMATION

Abbreviations and acronyms:

ETA = Acute Toxicity Estimation
CLP = Regulation 1272/2008/EC on classification, labelling and packaging of substances and mixtures
DNEL = Derived no-effect dose
DMEL = Derived no-effect dose
EUH = Specific hazard statement CLP
CPSE = Predicted no-effect concentration
RRN = REACH registration number
PTB = Persistent, Toxic and Bioaccumulative
tPtB = Very persistent and very bioaccumulative
bw = Body mass

16.1

Key literature references and sources for data

Regulation (EC) 1907/2006 of the European Parliament (REACH)
Regulation (EC) 1272/2008 of the European Parliament (CLP)
Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)

16.2

The Merck index. Ed. 10 Handling and chemical safety
Niosh - Register of toxic effects of chemical substances
INRS - Toxicological Data Sheet
Patty - Industrial hygiene and toxicology
N.I. Sax - Dangerous properties of Industrial Materials - 7 Ed., 1989
ECHA website
EU REACH IUCLID5 CSR.
National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances.
IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada. Règlement (CE) n ° 1272/2008 Annexe VI.

16.3

Indication of changes: N/A

16.4

Classification and procedure used to derive the classification for Non Applicable

**mixtures according to
Regulation (EC)
1272/2008 [CLP]:
Note**

The indicated mixture does not require an MSDS according to REACH requirements.
Form prepared for information purposes.

This safety data sheet complies with the requirements established by Regulation 830/2015/EU. It does not in any way exempt the user from knowing and applying all the documents that govern his activity. The user will take under his responsibility the precautions related to the specific use of the product. All the regulatory requirements mentioned are intended simply to assist the recipient in fulfilling their responsibilities. This list should not be considered exhaustive. This sheet supplements the technical operating instructions but does not replace them. The information contained herein is based on our knowledge of the product on the date indicated. They are given in good faith. In addition, the user's attention is drawn to the possible risks involved when a product is used for purposes other than those for which it was created.

The addressee must ensure that he is not responsible for anything else according to texts other than those mentioned.