

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

Silicate

Date : 01/09/2018

Version No. 4

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. Gently lift the eyelids and rinse immediately and thoroughly with large amounts of water for at least 15 minutes. Consult a physician or ophthalmologist if pain or irritation occurs.
Following skin contact	Wash the exposed surface with warm soapy water. If skin is reddened or blistered, if irritation persists, seek medical attention.
Following ingestion	Do not induce vomiting. Consult a doctor or Poison Control Centre.
Following inhalation	Ventilate the area and get the victim out in the fresh air. If breathing difficulties occur, seek medical attention as soon as possible.

4.2	Most important symptoms and effects, both acute and delayed	Potential acute health effects: No known effect / no data are available. Signs/symptoms of overexposure: No specific data.
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4.3	Indication of any immediate medical attention and special treatment needed	Note to the attending physician Symptomatic treatment required. No special treatment.
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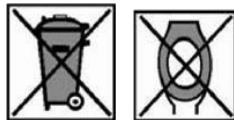
5 SECTION 5 : FIREFIGHTING MEASURES

5.1	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:</p> <p>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:</p> <p>In case of fire, do not use: Water jet</p>
5.2	Special hazards arising from the substance or mixture	<p>Due to its flammability characteristics, the product does not present a particular fire hazard under normal conditions of storage, handling and use.</p> <p>A fire in the surrounding space will often produce thick black smoke. Exposure to decomposition products may result in health hazards. Do not breathe fumes.</p>
5.3	Advice for firefighters	<p>The product is not combustible. In the event of fire in the surrounding area, appropriate extinguishing means and protective equipment for the other materials present (full protective clothing and personal respiratory equipment), complying with EN469 for a basic level of protection for chemical incidents, may be used. Have a minimum of emergency facilities or intervention elements (fireproof blankets, first-aid kit...) according to Directive 89/654/EC.</p>
5.3	Other information	<p>Additional provisions:</p> <p>Intervene in accordance with the Internal Emergency Plan and the Information Sheets for Accident and Emergency Response. Eliminate all sources of ignition. In the event of fire, refrigerate containers and storage tanks of products likely to ignite and explode as a result of high temperatures. Avoid spillage of products used to extinguish aquatic fires.</p>

6 SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	<p>For non-emergency personnel</p> <p>Use respiratory protection. Avoid powder formation. Avoid breathing vapours/mists/gases. Ensure adequate ventilation. Evacuate personnel to safe areas and allow access only to trained operators with appropriate personal protective equipment (see section 8).</p> <p>Do not inhale powder.</p> <p>For rescue workers</p> <p>Responders will be equipped with appropriate personal protective equipment (see section 8).</p>
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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:

Method of containment: Sewer cover

Cleaning procedure:

Gather up the spilled product by mechanical means and remove the remains by water jets. Provide sufficient ventilation of the spill area. Contaminated material must be disposed of in accordance with point 13.

Reference to other sections

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

6.4

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

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

Provide adequate ventilation in areas where suspended particles develop.

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

7.1

Do not eat, drink or smoke in work areas.

Wash hands after each use.

Conditions for safe storage, including any incompatibilities

Ensure adequate local ventilation or exhaust.

Store in a cool, dry place with good air circulation. Keep container tightly closed, labelled, in a dry, well-ventilated place.

7.2

Close containers before and after each use to avoid sources of moisture or heat.

Do not store in the presence of any food products.

Specific end use(s)

No specific end uses.

7.3

Good practice: 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

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	Stable product under normal conditions of use and storage.
10.3	Possibility of hazardous reactions	No risk of dangerous reactions under normal conditions of use and storage.
10.4	Conditions to avoid	No special conditions to avoid. Follow usual precautionary practices regarding chemicals.
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: health effects not known Inhalation: possible mild respiratory tract irritation. Skin Exposure: No known effects. Eye Exposure: Mild eye irritation may occur.
Delayed and immediate effects as well as chronic effects from short- and long-term exposure	No known health effects
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	Not available.
12.2 Persistence and degradability	Not available.
12.3 Bioaccumulative potential	Not available.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not Applicable 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:

16.1	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

**Key literature references
and sources for data**

16.2

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)
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:

Date of revision: 02 March 2020
Date of previous version: 17/06/2019
Version: 4
Modification: Section 7.2

Note

The indicated product does not require an SDS according to REACH requirements.
This sheet is for information purposes only.
This Safety Data Sheet complies with the requirements set out in Reg. 830/2015/EU.
It in no way exempts 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
simply intended to help the recipient to assume his responsibilities. This list should not
be considered exhaustive. This data sheet supplements the technical instructions for
use but does not replace them. The information contained herein is based on our
knowledge of the product as of the date indicated. It is given in good faith.
Furthermore, the user's attention is drawn to the possible risks incurred when a
product is used for purposes other than those for which it was created.
The recipient must ensure that he is not liable for anything other than what is stated
in the texts other than those mentioned.
The information describes the safety aspects of the product. It is not intended to
guarantee specific properties.
It is the responsibility of our customers to observe the applicable regulations.