

# Bloem Silicon 1001

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Revision date: 3/2/2026 Supersedes version of: 8/22/2019 Version: 2.0



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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Bloem SI 1001

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

##### Relevant identified uses

Main use category : Professional use

#### 1.3. Details of the supplier of the safety data sheet

Bloem Sealants BV  
Westvlietweg 69  
P.O. Box 24058  
NL 2495 Den Haag  
The Netherlands  
T +31 (0)70 329 66 01  
[info@bloemsealants.com](mailto:info@bloemsealants.com), [www.bloemsealants.com](http://www.bloemsealants.com)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)70 329 66 01  
Only available during office hours.

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Contains Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one. EUH208  
May produce an allergic reaction.  
Safety data sheet available on request. EUH210  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

EUH-statements : EUH208 - Contains Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

#### Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)
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Component	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] substance with a Community workplace exposure limit (Note N)	CAS-No.: 64742-46-7 EC-No.: 265-148-2 EC Index-No.: 649-221-00-X REACH-no: 01-2119552497-29	> 20 - < 30	Carc. Not classified Asp. Tox. 1, H304
Ethyltriacetoxysilane	CAS-No.: 17689-77-9 EC-No.: 241-677-4 REACH-no: 01-2119881778-15	< 5	Acute Tox. 4 (Oral), H302 (ATE=380 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 EUH014
Oligomeric ethyl and methylacetoxysilanes	-	< 2.5	Skin Corr. 1B, H314 Eye Dam. 1, H318
Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one	CAS-No.: 64359-81-5 EC-No.: 264-843-8 EC Index-No.: 613-335-00-8	≥ 0.025 - < 0.05	Acute Tox. 2 (Inhalation), H330 (ATE=0.16 mg/l) Acute Tox. 4 (Oral), H302 (ATE=567 mg/kg bodyweight) Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Oligomeric ethyl and methylacetoxysilanes	-	(5 ≤ C < 100) Eye Dam. 1; H318 (5 ≤ C < 100) Skin Corr. 1; H314
Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one	CAS-No.: 64359-81-5 EC-No.: 264-843-8 EC Index-No.: 613-335-00-8	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317 (0.025 ≤ C < 5) Skin Irrit. 2; H315 (0.025 ≤ C < 3) Eye Irrit. 2; H319

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Note N: The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

First-aid measures after skin contact : After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water. In case of faintness or symptoms of skin irritation appear, take medical advice.

First-aid measures after eye contact : If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water.

First-aid measures after ingestion : Do not induce vomiting. Give nothing or a little water to drink.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water fog. Carbon dioxide. Sand. extinguishing powder. Alcohol resistant foam.

Unsuitable extinguishing media : Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes. Hazardous combustion products.

#### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate unnecessary personnel.

Protection during firefighting : Wear a self contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Do not breathe gas, fumes, vapour or spray. Spill area may be slippery.

##### For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### For emergency responders

Protective equipment : Wear recommended personal protective equipment.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Contain the spilled material by bunding.

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### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Dispose of contaminated materials in accordance with current regulations. Sweep or shovel spills into appropriate container for disposal. Take up liquid spill into absorbent material, e.g.: sand, saw dust. Use suitable disposal containers. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Wash with soapy water.
- Other information : Remove all sources of ignition.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Cool down the containers exposed to heat with a water spray. Vapours may form explosive mixture with air.
- Precautions for safe handling : Ensure adequate air ventilation.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Protect from moisture. Keep container tightly closed in a cool place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

Bloem SI 1001	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	25 mg/m <sup>3</sup> Acetic acid (CAS 64-19-7)
	10 ppm Acetic acid (CAS 64-19-7)
Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	600 mg/m <sup>3</sup>

#### Exposure limit values for the other components

acetic acid ... % (64-19-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	25 mg/m <sup>3</sup>
	10 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	25 mg/m <sup>3</sup>

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acetic acid ... % (64-19-7)		
	10 ppm	
WEL STEL (OEL STEL)	37 mg/m <sup>3</sup>	
	15 ppm	

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### Personal protection equipment

##### Personal protective equipment symbol(s):



#### Eye and face protection

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses		With side shields	

#### Skin protection

##### Skin and body protection:

Wear protective clothing

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Butyl rubber	6 (> 480 minutes)	> 0,3		EN ISO 374
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)	> 0,1		EN ISO 374

#### Respiratory protection

##### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Respiratory protection			
Device	Filter type	Condition	Standard
Full face mask	ABEK	If conc. in air > exposure limit	EN 136, EN 14387

#### Environmental exposure controls

##### Environmental exposure controls:

Do not allow to enter into surface water or drains.

##### Consumer exposure controls:

Do not breathe gas, fumes, vapour or spray. Do not eat, drink or smoke during work.

##### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Wash contaminated clothing before reuse.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: According to product specification.
Appearance	: Pasty.
Odour	: acetic acid.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not applicable
Softening point	: Not applicable
Boiling point	: Not applicable
Flammability	: > 400 °C Ignition temperature
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Lower explosion limit	: 4 vol % Acetic acid
Upper explosion limit	: 17 vol % Acetic acid
Flash point	: 65 °C (ISO 3679)
Auto-ignition temperature	: Not available
Decomposition temperature	: > 300 °C (Lit.)
pH	: insoluble in water
Viscosity, kinematic	: 1020408.163 mm <sup>2</sup> /s
Viscosity, dynamic	: > 1000000 mPa·s (Brookfield; 23°C)
Non-Newtonian liquid	: Thixotropic behaviour
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not applicable for preparations
Partition coefficient n-octanol/water (Log Pow)	: Not applicable for preparations
Vapour pressure	: Not required
Vapour pressure at 50°C	: Not available
Density	: ≈ 0.98 g/cm <sup>3</sup> at 23 °C
Relative density	: ≈ 0.98 at 23 °C
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

#### Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Boiling point	> 300 °C
Vapour pressure	0.00098 Pa at 25 °C

#### 9.2. Other information

##### Information with regard to physical hazard classes

Explosion limits : 4 – 17 vol % acetic acid

##### Other safety characteristics

VOC content : < 10 g/l

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

No dangerous reactions known under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

Moisture. Heat. Open flame.

### 10.5. Incompatible materials

Reacts with : alcohols. Bases. Water.

### 10.6. Hazardous decomposition products

On contact with humidity: Acetic acid. On heating: formation of small quantities of formaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

#### Bloem SI 1001

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2009 mg/kg

**Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)**

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l/4h
LC50 Inhalation - Rat (Vapours)	> 5000 mg/l/4h

#### Ethyltriacetoxysilane (17689-77-9)

LD50 oral rat	380 mg/kg
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#### Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)

LD50 oral rat	1636 mg/kg
LD50 dermal	1100 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	0.26 mg/l/4h

Skin corrosion/irritation : No data available, however by analogy, this product is not considered to be irritating to the skin.  
pH: insoluble in water  
Additional information : Not irritating to rabbits on cutaneous application

#### Ethyltriacetoxysilane (17689-77-9)

pH	2.77
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Serious eye damage/irritation : No data available, however by analogy, this product is not considered to be irritating to the skin  
pH: insoluble in water  
Additional information : (OECD 437 method)  
Bovine Corneal Opacity and Permeability Test Method  
Not irritating to rabbits on ocular application

#### Ethyltriacetoxysilane (17689-77-9)

pH	2.77
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Respiratory or skin sensitisation : Not classified

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Additional information	: no danger of sensitization. No information available on this specific product, however by analogy, the product is considered to be: Does not cause cutaneous sensitisation for guinea-pigs (OECD 406 method)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

**Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)**

NOAEL (oral, rat, 90 days)	≥ 5000 mg/kg bodyweight/day
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### Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)

LOAEL (oral, rat, 90 days)	100 mg/kg bodyweight/day
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NOAEL (subacute, oral, animal/male, 28 days)	20 mg/kg bodyweight
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Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

### Bloem SI 1001

Viscosity, kinematic	1020408.163 mm <sup>2</sup> /s
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**Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)**

Hydrocarbon	Yes
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## 11.2. Information on other hazards

### Other information

Other information : Acetic acid,Irritating to skin,May cause irritation to the respiratory tract and to other mucous membranes,Aliphatic hydrocarbons,Inhalation causes narcotic effects.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

### Bloem SI 1001

LC50 - Fish [1]	10 – 100 mg/l Oncorhynchus mykiss (Rainbow trout)
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EC50 - Crustacea [1]	1 – 10 mg/l American Oyster
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EC50 72h - Algae [1]	Navicula Pelliculosa
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ErC50 algae	1 – 10 mg/l Navicula pelliculosa (24h)
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NOEC chronic fish	> 1 mg/l Oncorhynchus mykiss (Rainbow trout)
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NOEC chronic crustacea	> 1 mg/l daphnia
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NOEC chronic algae	> 1 mg/l Navicula Pelliculosa (24h)
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**Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)**

LC50 - Fish [1]	> 1028 mg/l
EC50 - Crustacea [1]	> 3193 mg/l
EC50 72h - Algae [1]	> 10000 mg/l
ErC50 other aquatic plants	> 100 mg/l
NOEC chronic fish	> 1000 mg/l 28 days
NOEC chronic crustacea	5 mg/l 21 days

### **Ethyltriacetoxysilane (17689-77-9)**

LC50 - Fish [1]	251 mg/l (OECD 203 method)
EC50 - Crustacea [1]	62 mg/l (OECD 202 method)
EC50 72h - Algae [1]	> 100 mg/l (OECD 209 method)

### **Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)**

LC50 - Fish [1]	0.0027 mg/l (OECD 203 method)
EC50 - Crustacea [1]	0.0052 mg/l (OECD 202 method)
EC50 72h - Algae [1]	0.0027 mg/l (OECD 201 method)
ErC50 algae	0.077 mg/l (OECD 201 method)
NOEC chronic fish	0.00056 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout)
NOEC chronic crustacea	0.00063 mg/l <i>Daphnia magna</i>
NOEC chronic algae	0.00034 mg/l <i>Navicula pelliculosa</i>

## **12.2. Persistence and degradability**

### **Bloem SI 1001**

Persistence and degradability	The product is not biodegradable.
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**Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)**

Persistence and degradability	Readily biodegradable.
Biodegradation	74 % (OECD 306 method)

### **Ethyltriacetoxysilane (17689-77-9)**

Persistence and degradability	Rapidly degradable
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### **Oligomeric ethyl and methylacetoxysilanes**

Persistence and degradability	Rapidly degradable
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### **Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)**

Persistence and degradability	Rapidly degradable
Biodegradation	36h 50 % (OECD 308 method)

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### 12.3. Bioaccumulative potential

#### Bloem SI 1001

Partition coefficient n-octanol/water (Log Pow)	Not applicable for preparations
Partition coefficient n-octanol/water (Log Kow)	Not applicable for preparations
Bioaccumulative potential	Bioaccumulation unlikely.

#### Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)

Partition coefficient n-octanol/water (Log Pow)	2.8
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### 12.4. Mobility in soil

#### Bloem SI 1001

Mobility in soil	Polymer: Insoluble in water
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### 12.5. Results of PBT and vPvB assessment

#### Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

### 12.7. Other adverse effects

Other adverse effects : None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Empty the packaging completely prior to disposal.  
Product/Packaging disposal recommendations : Reprocess or burn in an approved incinerator.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Transport regulations (ADR) : No dangerous good in sense of transport regulations.

#### Transport by sea

Transport regulations (IMDG) : No dangerous good in sense of transport regulations.

#### Air transport

No data available

#### Inland waterway transport

Transport regulations (ADN) : No dangerous good in sense of transport regulations.

#### Rail transport

Transport regulations (RID) : No dangerous good in sense of transport regulations.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

#### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

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### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### VOC Directive (2004/42)

VOC content : < 10 g/l

### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### National regulations

AICS  
EINECS/ELINCS  
IECSC  
PICCS  
TSCA

## 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

## SECTION 16: Other information

### Indication of changes:

Physical and chemical properties. Hazards identification. Composition/information on ingredients.

Abbreviations and acronyms:	
CAS-No.	Chemical Abstracts Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
EC50	Median effective concentration
DNEL	Derived-No Effect Level
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic

# Bloem Silicon 1001

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### Abbreviations and acronyms:

PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

### Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. Not classified	Carcinogenicity Not classified
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH014	Reacts violently with water.
EUH071	Corrosive to the respiratory tract.

# Bloem Silicon 1001

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

EUH208	Contains Fungicide 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
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### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

EUH208	EUH208	Calculation method
EUH210	EUH210	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.