SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

SUPERGRIP

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

1.1. Product identifier

Product name **:SUPERGRIP**
Registration number REACH **:**Not applicable (mixture)
Product type REACH **:** Mixture

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

1.2.1 Relevant identified uses

Primer

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Intelligent Membranes Ltd.
Clopton Farm, Lower Road
Croydon, SG8 0EF, United Kingdom
☎ +441223208174
info@intelligentmembranes.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English) : +441223208174

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Supplemental information
EUH208Contains: reaction mass of 5-chloro-2H-isothiazol-3-one and 2-methyl-2H-isothiazontol-3-one (3:1) 2-methylisothiazol-3 (2H)-one.
EUH210Safety data sheet available on request.

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
Limestone	1317-65-3 215-279-6	C<10%		(2)	Constituent

reacon mass of 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H- isothiazol-3-one (3:1)	55965-84-9	<0.0015%	Acute Tox. 2; H330 Acute Tox. 2; H310 Acute Tox. 3; H301 Skin Sens. 1A; H317 Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquac Acute 1; H400 Aquac Chronic 1; H410 EUH071 Skin Irrit. 2; H315: 0,06% ≤C<0.6%, (CLP Annex VI (ATP 0)) Eye Dam. 1; H318: C≥0,6%, (CLP Annex VI (ATP 13)) Skin Corr. 1B; H314: C≥0,6%, (CLP Annex VI (ATP 0)) Eye Irrit. 2; H319: 0,06% ≤C<0,6%, (CLP Annex VI (ATP 0)) Skin Sens. 1; H317: C≥0,0015%, (CLP Annex VI (ATP 0))	(1)(2)(1 0)	Constituent	M: 100 (Acute, CLP Annex VI (ATP 13)) M: 100 (Chronic, CLP Annex VI (ATP 13))
quartz (SiO2)	14808-60-7 238	C<25%		(2)	Constituent	
2-methylisothiazol-3(2H)-one	-878-4 2682-20-4 220-239-6	0.0015%	0.00015<C<Acute Tox. 2; H330 Acute Tox. 3; H311 Acute Tox. 3; H301 Skin Sens. 1A; H317 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquac Acute 1; H400 Aquac Chronic 1; H410 EUH071 Skin Sens. 1A; H317: C≥0,0015%, (CLP Annex VI (ATP 13))		Constituent	M: 10 (Acute, CLP Annex VI (ATP 13)) M: 1 (Chronic, CLP Annex VI (ATP 13))

(1) For H- and EUH-statements in full: see section 16
(2) Substance with a Community workplace exposure limit
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:
Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call emergency services. Treat symptoms starting with the most life threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

After inhalation:
Not applicable.

After skin contact:
Not applicable.

After eye contact:
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralising agents without medical advice. Take victim to an ophthalmologist if irritation persists

After ingestion:
Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult poison center.

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

4.2.1 Acute symptoms
After inhalation:
No effects known.
After skin contact:
No effects known.
After eye contact:
No effects known.
After ingestion:
No effects known.
4.2.2 Delayed symptoms
No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:
Small fire: Quick acting ABC powder, BC powder, class B foam, CO2 extinguishers. Major fire: Class B foam (alcohol-resistant). Water spray if puddle cannot expand.
5.1.2 Unsuitable extinguishing media:
Small fire: Water (quick acting extinguisher, reel; risk of puddle expansion. Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours and sulphur oxides.

5.3. Advice for firefighters

5.3.1 Instructions:
No specific fire-fighting instructions required.
5.3.2 Special protective equipment for fire-fighters:
Gloves . Protective clothing. Heat/fire exposure: compressed air apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.
6.1.1 Protective equipment for non-emergency personnel
See heading 8.2
6.1.2 Protective equipment for emergency responders
Gloves. Protective clothing.
Suitable protective clothing
See heading 8.2

6.2. Environmental precautions

Contain released product, pump into suitable containers. Plug the leak, cut off the supply.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment aer handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are a relevant exposure scenarios that correspond to your idenfied use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe strict hygiene.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:
Storage temperature: 5 °C - 25 °C. Meet the legal requirements.
7.2.2 Keep away from:
Heat sources.
7.2.3 Suitable packaging material:
Plastics.
7.2.4 Non suitable packaging material:
No data available.

7.3. Specific end use(s)

If applicable and available,exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure
a) Occupational exposure limit values
If limit values are applicable and available these will be listed below.

EU

Respirable crystalline silica dust
Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)
0.1 mg/m³ (2)
(2): Respirable fraction

Belgium

Calcium (carbonate de)
Silices cristallines : quartz (poussières alvéolaires)
Time-weighted average exposure limit 8 h
Time-weighted average exposure limit 8 h
10 mg/m³
0.1 mg/m³

The Netherlands

Respirabel kristallijn silicastof - kwarts
Time-weighted average exposure limit 8 h (Public occupational exposure limit value)0.03 ppm
Time-weighted average exposure limit 8 h (Public occupational exposure limit value)0.075 mg/m³

France

Calcium (carbonate de)
Silices cristallines : cristobalite, quartz, tridymite
Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)
Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)
10 mg/m³
0.1 mg/m³

Austria

5-Chlor-2-methyl-2,3- dihydroisothiazol-3-on und 2-Methyl-2,3-di-hydroisothiazol- 3-on (Gemisch im Verhältnis 3:1)
Quarzfeinstaub(alveolengängiges kristallines Siliziumdioxid)
Tagesmittelwert (MAK)
Tagesmittelwert (MAK)
0.05 mg/m³

UK

Calcium carbonate inhalable dust
Calcium carbonate respirable dust
Limestone respirable
Limestone total inhalable
Marble respirable
Marble total inhalable
Silica, respirable crystalline (respirable fraction)

Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m³
Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	0.1 mg/m³

USA (TLV-ACGIH)

Silica, crystalline - α-quartz and cristobaliteTime-weighted average exposure limit 8 h (TLV - Adopted Value)
(R): Respirable fraction

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

Product nameTestNumber

Crystalline SilicaOSHAID 142
Quartz (silica, crystalline, by XRD)NIOSH7500
quartz NIOSH 7601
quartz NIOSH 7602
Silica, Quartz in Coal Dust (Silica in coal mine dust)NIOSH7603

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 Threshold values

DNEL/DMEL - Workers

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Effect level (DNEL/DMEL)TypeValueRemark

DNELLong-term local effects inhalation0.02 mg/m³
Acute local effects inhalation0.04 mg/m³

Type Value

Long-term local effects inhalation0.021 mg/m³
Acute local effects inhalation0.043 mg/m³

DNEL/DMEL - General population

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Effect level (DNEL/DMEL)TypeValue

DNELLong-term local effects inhalation0.02 mg/m³
Acute local effects inhalation0.04 mg/m³

Type Value

Long-term local effects inhalation0.021 mg/m³
Acute local effects inhalation0.043 mg/m³
Long-term systemic effects oral0.027 mg/kg bw/day
Acute systemic effects oral0.053 mg/kg bw/day

PNEC

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Compartments Value Remark

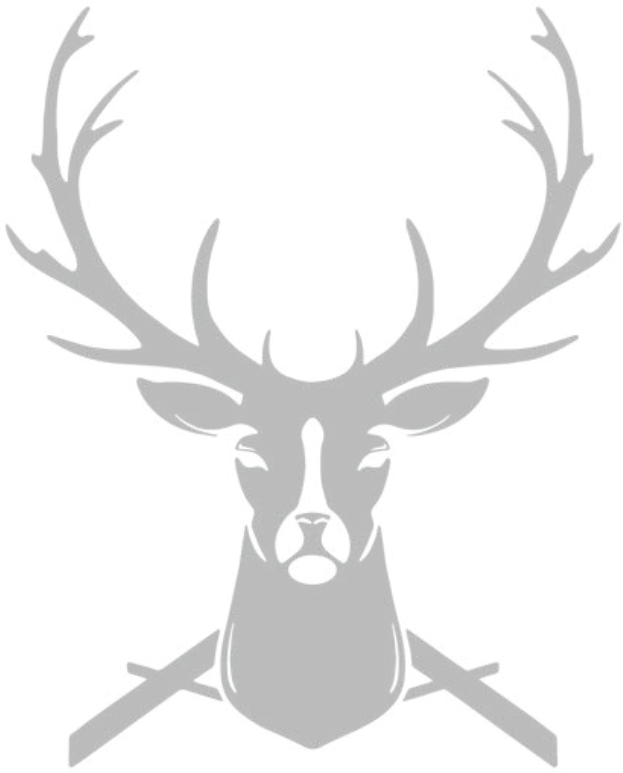
Fresh water3.39 µg/l
Fresh water (intermittent releases)3.39 µg/l
Marine water3.39 µg/l
Marine water (intermittent releases)3.39 µg/l
STP0.23 mg/l
Fresh water sediment0.027 mg/kg sediment dw
Marine water sediment0.027 mg/kg sediment dw
Soil0.01 mg/kg soil dw
2-methylisothiazol-3(2H)-one

Compartments Value Remark

Fresh water3.39 µg/l
Marine water3.39 µg/l
Fresh water (intermittent releases)3.39 µg/l
Marine water (intermittent releases)3.39 µg/l
STP0.23 mg/l
Soil0.047 mg/kg soil dw

8.1.5 Control banding

If applicable and available it will be listed below.



8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

Gloves.

c) Eye protection:

Face shield.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

Physical form	Paste (Liquid)
Odour	Mild odour
Odour threshold	No data available (test not performed)
Colour	Rose
Particle size	Not applicable
Explosion limits	No data available(test not performed)
Flammability	Not classified as flammable
Log Kow	Not applicable(mixture)
Dynamic viscosity	3000 mPa.s 20 °C
Kinematic viscosity	No data available(test not performed)
Melting point	No data available(test not performed)
Boiling point	No data available(test not performed)
Evaporation rate	No data available(test not performed)
Relative vapour density	No data available(test not performed)
Solubility	Water ; soluble
Vapour pressure	No data available(test not performed)
Relative density	No data available(test not performed)
Absolute density	No data available(test not performed)
Decomposition temperature	No data available(test not performed)
Auto-ignition temperature	> 100 °C
Flash point	No data available (test not performed)
pH	No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours and sulphur oxides.

SECTION 11: Toxicological information

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

11.1.1 Test results

Acute toxicity

Judgement is based on the relevant ingredients
limestone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		6450 mg/kg		Rat		Literature study

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	66 mg/kg bw		Rat (male / female)	Experimental value	Calculated by reference to active substance
Dermal	LD50	OECD 402	> 141 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation (aerosol)	LD50	OECD 403	0.17 mg/l air	4 h	Rat (male / female)	Experimental value	Calculated by reference to active substance

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	EPA OPPTS	120 mg/kg bw		Rat (female)	Experimental value	
Oral	LD50		232 mg/kg bw		Rat (male)	Experimental value	
Dermal	LD50		249 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation (aerosol)	LD50		242 mg/kg bw 0.11mg/I	4 h	Rat (male / female)	Experimental value	

Conclusion
Not classified for acute toxicity

Corrosion/irritation

Judgement is based on the relevant ingredients
limestone

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Slightly irritating					Literature study	
Skin	Not irritating					Literature study	

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious damage	OECD 405		1; 24; 48; 72 hrs; 7; 14 days	Rabbit	Experimental value	Aqueous solution
Skin	Corrosive	OECD 404	4 h		Rabbit	Experimental value	Aqueous solution

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye						Literature study	
Skin						Literature study	

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Corrosive					Data waiving	
Skin	Corrosive	OECD 4044	24; 48; 72 hrs; 7;14 days		Rabbit	Experimental value	
Not applicable		OECD 4313	601 hour (vitro test)minutes		Reconstructed human epidermis	Experimental value	

Conclusion
Not classified as irritating to the respiratory system
Not classified as irritating to the skin
Not classified as irritating to the eyes

Respiratory or skin sensitisation

Judgement is based on the relevant ingredients
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Route of exposure	Result	Method	Exposure time	Observation time	Species	Value determination	Remark
Skin	Sensitising	OECD 406			Guinea pig (male/female)	Experimental value	

2-methylisothiazol-3(2H)-one

Route of exposure	Result	Method	Exposure time	Observation time	Species	Value determination	Remark
Skin	Sensitising	OECD 406			Guinea pig (male/female)	Experimental value	

Conclusion
Not classified as sensitizing for inhalation
Not classified as sensitizing for skin

Specific target organ toxicity

Judgement is based on the relevant ingredients
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (diet)	NOAEL	OECD 409	22 mg/kg bw/day		No adverse systemic effects	13 weeks	Dog (male/female)	Experimental value
Dermal	NOAEL	EPA OPP 82-3	2.623 mg/kg bw/day		No adverse systemic effects		Rat (male/female)	Experimental value
Dermal	NOAEC	EPA OPP 82-3	0.105 mg/kg bw/day		No effect		Rat (male/female)	Experimental value
Inhalation(aerosol)	NOAEC	OECD 412	110 mg/m³ air		No effect		Rat (male/female)	Experimental value

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (drinking water)	NOAEL	OECD 408	19 mg/kg bw/day		No effect	90 day(s)	Rat(male)	Experimental value
Oral (drinking water)	NOAEL	OECD 408	24.6 mg/kg bw/day		No effect	90 day(s)	Rat(female)	Experimental value

Conclusion
Not classified for sub chronic toxicity

Mutagenicity (in vitro)

Judgement is based on the relevant ingredients

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

Result	Method	Test substrate	Effect	Value	Remark
Positive with metabolic activation Positive without metabolic activation	EPA OPP 84	Bacteria (S. typhimurium)		Experimental value	Aqueous solution
Positive with metabolic activation Positive without metabolic activation	EPA OPP 84	Mouse (lymphoma)		Experimental value	Aqueous solution

Result	Method	Test substrate	Effect	Value	Remark
Negative with metabolic activation Negative without metabolic activation	OECD 471	Bacteria (S. typhimurium)		Experimental value	
Negative with metabolic activation Negative without metabolic activation	OECD 476	Chinese hamster ovary		Experimental value	

Mutagenicity (in vivo)

Judgement is based on the relevant ingredients
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Result	Method	Exposure time	Test substrate	Organ	Value
Negative(oral stomach tube)	EPA OPP 84	22 doses/24hr intervals	Mouse(male/female)		Experimental value

Result	Method	Exposure time	Test substrate	Organ	Value
Negative(oral stomach tube)	OECD 474		Mouse(male/female)		Experimental value

Conclusion
Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Judgement is based on the relevant ingredients
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Oral (drinking water)	OECD 453300			24 months	Rat (male)	No carcinogenic effect		Experimental value

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Dermal dose level	OECD 453300			130 weeks toxicity study	Mouse (male)	No carcinogenic effect		Experimental value
Oral (drinking water)	OECD 453	NOAEL	>17.2 mg/kg	24 months	Mouse(male/female)	No carcinogenic effect		Experimental value

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Judgement is based on the relevant ingredients
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	EPA OPP 83-3	≥ 19.6 mg/kg	10 days gestation	Rat	No effect		Experimental value
Maternal toxicity (Oral (stomach tube))	LOAEL	EPA OPP 83-3	28 mg/kg bw/day	10 days gestation	Rat	Maternal toxicity		Experimental value
Effects on fertility (Oral (drinking water))	NOAEL	OECD 416	30 ppm	10 weeks	Rat (male/female)	No effect		

2-methylisothiazol-3(2H)-one

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (stomach tube))	NOAEL	OECD 414	40 mg/kg bw/day	14 days gestation	Rat	No effect		Experimental value
Maternal toxicity (Oral (stomach tube))	NOAEL	OECD 414	20 mg/kg bw/day	14 days gestation	Rat	No effect		Experimental value
Effects on fertility (Oral (drinking water))	NOAEL	OECD 416	69 mg/kg bw/day		Rat (male/female)	No effect		Experimental value

Conclusion

Not classified for reprotoxic or developmental toxicity

Chronic effects from short and long-term exposure

SUPERGRIP
Skin rash/inflammation.

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

SUPERGRIP
limestone

Route of exposure	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fish	LC50		>10000 mg/I	96 h	Oncorhychusmykiss			Literature value
Acute toxicity crustacea	EC50		>1000 mg/I	96 h	Daphana magna			Literature value
Toxicity algae and other aquatic plants	EC50		>200 mg/I	72 h	Desmodesmussub spicatus			Literature value

Route of exposure	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity crustacea	EC50		0.007 mg/l	48 h	Acartia tonsa		Salt water	Experimental value GLP
Toxicity algae and other aquatic plants	NOEC	OECD 201	0.49 µg/l	48 h	Skeletonema costatum	Static system	Salt water	Experimental value G.R

Route of exposure	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity crustacea	LC50	OECD 202	0.934 mg/l	48 h	Daphana magna	Static system	Fresh water	Experimental value GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	0.23 mg/l	96 h	Pseudokirchneri ella subcapitata	Flow through system	Fresh water	Experimental value GLP
Toxicity algae and other aquatic plants	NOEC	OECD 211	0.44 mg/l	21 Days	Daphana magna	Flow through system	Fresh water	Experimental value reproduction
Toxicity aquatic micro-organisms	EC50	OECD 209	41 mg/l	3 h	Activated sludge	Static system	Fresh water	Experimental value respiration

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Biodegradation water	Method value	Duration	Value
OECD 301 B	47.6 % - 55.8 %; GLP	28 days	Experimental value

Biodegradation water	Method value	Duration	Value
OECD 301 B	0 %; Oxygen consumption	28 days	Experimental value

Conclusion Water
Contains traces of a non-biodegradable component

12.3. Bioaccumulative potential

SUPERGRIP
Log Kow

Parameter	Method	Value	Duration	Species	Value determination
BCF	OECD 30541-54	Fresh weight	28 days	Lepomis macrochirus	Experimental value

Low kow	Method	Remark value	Temperature	Value determination
	OECD	quartz (SiO2)	1070.7524 °C	Experimental value

Low kow	Method	Remark value	Temperature	Value determination
No data available				

Parameter	Method	Value	Duration	Species	Value determination
BCF5.75		48.1	56 days	Lepomis macrochirus	Experimental value

Low kow	Method	Remark value	Temperature	Value determination
	OECD 107		-0.48625 °C	Experimental value

Conclusion
Does not contain bioaccumulative component(s)

12.4. Mobility in soil

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

Parameter	Method	Value	Value determination
Koc	OECD 106	6.4 -10	Experimental value
Koc	OECD 106	0.81 -1	Calculated value

Parameter	Method	Value	Value determination
Koc	OECD 106	106	Experimental value

Conclusion
No (test)data on mobility of the component(s) available

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s)fulfil(s)the criteria of PBT and vPvB according to Annex XIII of Regulaon(EC)No1907/2006.

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

SUPERGRIP
Greenhouse gases
None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Groundwater
Groundwater pollutant

2-methylisothiazol-3(2H)-one
Groundwater
Groundwater pollutant
Water ecotoxicity pH
pH shi

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your idenfied use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste
European Union
Can be considered as non hazardous waste according to Direcve2008/98/EC, as amended by Regulation(EU)No1357/2014and Regulaon (EU)No2017/997.The waste code must be assigned by the user, preferably in consultation with the(environmental) authorities concerned.

13.1.2 Disposal methods
Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

Any waste water from cleaning machinery on site will be sealed in product containers and returned to Intelligent Membranes for disposal.

13.1.3 Packaging/Container
European Union
Waste material code packaging (Directive 15 01 02 (plastic packaging).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number	
Transport	Not subject
14.2. UN proper shipping name	
14.3. Transport hazard class(es)	
Hazard identification number	
Class	
Classification code	
14.4. Packing group	
Packing group	
Labels	
14.5. Environmental hazards	
Environmentally hazardous substance mark	No
14.6. Special precautions for user	
Special provisions	
Limited quantities	
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	
Annex II of MARPOL 73/78	Not applicable, based on available data

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content

Insufficient data

Directive 2012/18/EU (Seveso III)
Not subject to registration according to Directive 2012/18/EU (Seveso III)

REACH Annex XVII - Restriction
Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market
and use of certain dangerous substances, mixtures and articles.
See column 1: 75.

National legislation Belgium
SUPERGRIP
No data available
quartz (SiO2)
Additional classificationSilices cristallines : quartz (poussières alvéolaires); C; La mention “C” signifie que l’agent en question relève duchamp d’application de l’arrêté royal du 2 décembre 1993 concernant la protection des travailleurs contre les risques liés à l’exposition à des agents cancérigènes et mutagènes et reprotoxiques au travail.

National legislation The Netherlands
SUPERGRIP
WaterbezwaarlijkheidZ (1); Algemene Beoordelingsmethodiek (ABM)
quartz (SiO2)
SZW - Lijst vansilica (respirabel stof, kristallijn); Listed in SZW-list of carcinogenic substances
kankerverwekkende stoffen

National legislation Germany
SUPERGRIP
WGKnwg; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017

Publication date: 2022-02-03

limestone
TA-Luft 5.2.1
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
TA-Luft 5.2.5/I
quartz (SiO2)
TA-Luft 5.2.7.1.1/II
2-methylisothiazol-3(2H)-one
TA-Luft 5.2.5/I

National legislation Austria
SUPERGRIP
No data available
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
Gefahr der Sensibilisierung der5-Chlor-2-methyl-2,3- dihydroisothiazol-3-on und 2- Methyl-2,3-di-hydroisothiazol- 3-on (Gemisch im Verhältnis 3:1); Sh
Haut
quartz (SiO2)
KrebserzeugendQuarzfeinstaub(alveolengängiges kristallines Siliziumdioxid); III C
2-methylisothiazol-3(2H)-one
Gefahr der Sensibilisierung der5-Chlor-2-methyl-2,3- dihydroisothiazol-3-on und 2- Methyl-2,3-di-hydroisothiazol- 3-on (Gemisch im Verhältnis 3:1); Sh
Haut

National legislation United Kingdom
SUPERGRIP
No data available
quartz (SiO2)
CarcinogenSilica, respirable crystalline (respirable fraction); Carc

Other relevant data
SUPERGRIP
No data available
quartz (SiO2)
TLV - CarcinogenSilica, crystalline - α-quartz and cristobalite; A2
IARC - classification1; Silica dust, crystalline, in the form of quartz or cristobalite

SECTION 16: Other information

Full text of any H- and EUH-statements referred to under section 3:
H301 Toxic if swallowed.
H310 Fatal in contact with skin.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.
EUH210 Safety data sheet available on request.
EUH208 Contains a sensitising substance. May produce an allergic reaction.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
CLP (EU-GHS) DMEL	Classification, labelling and packaging (Globally Harmonised System in Europe) Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	Very Persistent & very Bioaccumulative

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