

Trade name: Latitude XL**Product no.:** CE 114 C0253 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Latitude XL****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**Plant protection product for professional use. Agriculture.
Fungicide**Uses advised against**

No data available.

1.3 Details of the supplier of the safety data sheet**Address**Certis Belchim B.V. (EU)
Stadsplateau 16
3521 AZ Utrecht - NederlandTelephone no. 0031 (0)30 200 1200
Fax no. 0031 (0)30 310 0241
e-mail info@certisbelchim.com**Advice on Safety Data Sheet**www.certisbelchim.com**Identification of the supplier****Address**Certis Belchim B.V. - United Kingdom
Suite 5, 3 Riverside, Granta Park - Great Abington
Cambridgeshire CB21 6AD
United KingdomTelephone no. 0044 (0) 1223 652500
Fax no. 0044 (0)1223 891210
e-mail info.uk@certisbelchim.com - www.certisbelchim.co.uk**1.4 Emergency telephone number**

Carechem 24 EU: +44 1235 239670

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**Aquatic Chronic 3; H412
STOT RE 2; H373**Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

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GHS08

Signal word

Warning

Hazardous component(s) to be indicated on label:

N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phene-3-carboxamide

Hazard statement(s)

H373 May cause damage to organs through prolonged or repeated exposure

H412 Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208 Contains methenamine 3-chloroallylochloride, 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1). May produce an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

Supplemental label elements

UFI: 7Q99-F0WH-W00F-NW68

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

Silthiofam 125g/l (FS)

Hazardous ingredients

No		Substance name	Additional information		
		CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1		N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phene-3-carboxamide			
		175217-20-6 605-752-9 616-233-00-1 -	STOT RE 2; H373 Aquatic Chronic 2; H411	>= 10.00 - < 25.00	wt%
2		Sulfonated aromatic polymer, sodium salt			
		- - - -	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	< 5.00	wt%
3		White mineral oil (petroleum)			
		8042-47-5 232-455-8 - 01-2119487078-27	Asp. Tox. 1; H304	< 2.50	wt%
4		2-Naphthalenesulfonic acid, 6-hydroxy-, monosodium salt, polymer with disodium sulfite, formaldehyde and methylphenol			

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	73003-46-0 - - -	Aquatic Chronic 3; H412	< 2.50	wt%
5	methenamine 3-chloroallylochloride			
	4080-31-3 223-805-0 - -	Acute Tox. 4; H302 Acute Tox. 3; H311 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 3; H412	< 0.50	wt%
6	bronopol			
	52-51-7 200-143-0 603-085-00-8 01-2119980938-15	Acute Tox. 4*; H302 Acute Tox. 4*; H312 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335	< 0.10	wt%
7	1,2-benzisothiazol-3(2H)-one			
	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.05	wt%
8	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			
	55965-84-9 - 613-167-00-5 01-2120764691-48	Acute Tox. 3; H301 Acute Tox. 2; H310 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 Skin Corr. 1C; H314 Skin Sens. 1A; H317 EUH071	>= 0.0015 - < 0.06	wt%
9	glycerol			
	56-81-5 200-289-5 - 01-2119471987-18	-	>= 5.00 - < 10.00	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
6	-	-	M = 10	-
7	-	Skin Sens. 1; H317: C >= 0.05%	-	-
8	-	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
6	193 mg/kg bodyweight		
7	490 mg/kg bodyweight		
8	69 mg/kg bodyweight	141 mg/kg bodyweight	

SECTION 4: First aid measures**4.1 Description of first aid measures**

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If medical advice is needed, have product container or label at hand.

After inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

After skin contact

Take off contaminated clothing.

Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Contaminated work clothing should not be allowed out of the workplace.

Wash contaminated clothing before reuse.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

After ingestion

Rinse mouth. Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Wear protective clothing.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

SECTION 7: Handling and storage

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No special measures necessary if stored and handled as prescribed. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale vapours.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from heat and direct sunlight.

Recommended storage temperature

Value 0 - 30 °C

Storage stability

Value 2 year(s)

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Incompatible products

Do not store together with foodstuffs.

7.3 Specific end use(s)**Industry solution**

Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	glycerol	56-81-5	200-289-5
List of approved workplace exposure limits (WELs) / EH40			
	Glycerol mist		
	WEL long-term (8-hr TWA reference period)	10	mg/m ³

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	White mineral oil (petroleum)			8042-47-5 232-455-8	
	dermal	Long term (chronic)	systemic	220	mg/kg/day
	inhalative	Long term (chronic)	systemic	160	mg/m ³
2	bronopol			52-51-7 200-143-0	
	dermal	Long term (chronic)	systemic	2	mg/kg bw/day
	dermal	Short term (acute)	systemic	6	mg/kg bw/day
	dermal	Long term (chronic)	local	8	µg/cm ²
	dermal	Short term (acute)	local	8	µg/cm ²
	inhalative	Long term (chronic)	systemic	3.5	mg/m ³
	inhalative	Short term (acute)	systemic	10.5	mg/m ³
	inhalative	Long term (chronic)	local	2.5	mg/m ³

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3	inhalative	Short term (acut)	local	2.5	mg/m ³
	1,2-benzisothiazol-3(2H)-one			2634-33-5	220-120-9
	dermal	Long term (chronic)	systemic	0.966	mg/kg bw/day
	dermal	Long term (chronic)	local		
	Comments: high hazard (no threshold derived)				
	dermal	Short term (acut)	local		
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - isothiazol-3-one (3:1)			55965-84-9	-
	inhalative	Long term (chronic)	systemic	6.81	mg/m ³
	inhalative	Long term (chronic)	local	0.02	mg/m ³
	inhalative	Short term (acut)	local	0.04	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	White mineral oil (petroleum)			8042-47-5	232-455-8
	oral	Long term (chronic)	systemic	40	mg/kg/day
	dermal	Long term (chronic)	systemic	93	mg/kg/day
	inhalative	Long term (chronic)	systemic	35	mg/m ³
2	bronopol			52-51-7	200-143-0
	oral	Long term (chronic)	systemic	0.18	mg/kg bw/day
	oral	Short term (acut)	systemic	0.5	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.7	mg/kg bw/day
	dermal	Short term (acut)	systemic	2.1	mg/kg bw/day
	dermal	Long term (chronic)	local	4	µg/cm ²
	dermal	Short term (acut)	local	4	µg/cm ²
	inhalative	Long term (chronic)	systemic	0.6	mg/m ³
	inhalative	Short term (acut)	systemic	1.8	mg/m ³
	inhalative	Long term (chronic)	local	0.6	mg/m ³
	inhalative	Short term (acut)	local	0.6	mg/m ³
3	1,2-benzisothiazol-3(2H)-one			2634-33-5	220-120-9
	dermal	Long term (chronic)	systemic	0.345	mg/kg bw/day
	dermal	Long term (chronic)	local		
	Comments: high hazard (no threshold derived)				
	dermal	Short term (acut)	local		
	Comments: high hazard (no threshold derived)				
	inhalative	Long term (chronic)	systemic	1.2	mg/m ³
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - isothiazol-3-one (3:1)			55965-84-9	-
	oral	Long term (chronic)	systemic	0.09	mg/kg/day
	oral	Short term (acut)	systemic	0.11	mg/kg/day
	inhalative	Long term (chronic)	local	0.02	mg/m ³
	inhalative	Short term (acut)	local	0.04	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	bronopol		52-51-7	200-143-0
	water	fresh water	0.01	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	0.041	mg/kg dry weight
	water	marine water sediment	0.003	mg/kg dry weight

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	soil	-	0.5	mg/kg dry weight
	sewage treatment plant	-	0.43	mg/L
2	1,2-benzisothiazol-3(2H)-one		2634-33-5 220-120-9	
	water	fresh water	4.03	µg/L
	water	marine water	0.403	µg/L
	water	fresh water sediment	49.9	µg/kg dry weight
	water	marine water sediment	4.99	µg/kg dry weight
	soil	-	3	mg/kg dry weight
	sewage treatment plant	-	1.03	mg/L
3	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - isothiazol-3-one (3:1)		55965-84-9 -	
	water	fresh water	3.39	µg/L
	water	marine water	3.39	µg/L
	water	fresh water sediment	0.027	mg/kg dry weight
	water	marine water sediment	0.027	mg/kg dry weight
	soil	-	0.01	mg/kg dry weight
	sewage treatment plant	-	0.23	mg/L

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

Other

Chemical-resistant work clothes. Rubber boots. (EN 13832-3/EN ISO 20345)

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation
liquid
Form
liquid
Colour

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red			
Odour			
characteristic			
pH value			
Value	8.7		
Reference temperature	20	°C	
Boiling point / boiling range			
Value	100	°C	
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
No data available			
Ignition temperature			
No data available			
Auto-ignition temperature			
Value	312	°C	
Explosive properties			
The product does not have explosive properties.			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	1.058	g/cm ³	
Reference temperature	20	°C	
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
log Pow		3.72	
Source		Manufacturer	
2	bronopol	52-51-7	200-143-0
log Pow		0.22	
Reference temperature		24	°C
with reference to		pH 7	
Method		EU Method A.8	
Source		ECHA	
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9

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log Pow	0.7	
Reference temperature	20	°C
with reference to	pH 7	
Method	EU Method A.8	
Source	ECHA	

Kinematic viscosity			
Value	15.8	- 93.1	mPa*s
Reference temperature		20	°C
Type	dynamic		

Particle characteristics	
No data available	

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

The product is stable under normal storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Product Name		
1	Latitude XL		
LD50	>	5000	mg/kg
Species	rat		
Source	Manufacturer		

Acute dermal toxicity			
No	Product Name		
1	Latitude XL		
LD50	>	5000	mg/kg
Species	rat		
Source	Manufacturer		

Acute inhalational toxicity			
No	Product Name		
1	Latitude XL		
LC50	>	5.21	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Source	Manufacturer		

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Skin corrosion/irritation			
No	Product Name		
1	Latitude XL		
Species			rabbit
Method			OECD 404
Source			Manufacturer
Evaluation			non-irritant
Serious eye damage/irritation			
No	Product Name		
1	Latitude XL		
Species			rabbit
Method			OECD 405
Source			Manufacturer
Evaluation			non-irritant
Respiratory or skin sensitisation			
No	Product Name		
1	Latitude XL		
Route of exposure			Skin
Species			guinea pig
Method			OECD 406
Source			Manufacturer
Evaluation			Non-sensitizing
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Type of examination	in vitro gene mutation study in mammalian cells		
Species	mouse		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Type of examination	in vivo somatic mammalian cell study: cytogenesis / erythrocyte micronucleus.		
Species	mouse		
Method	OECD 474		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	bronopol	52-51-7	200-143-0
Type of examination	in vitro gene mutation study in bacteria		
Species	S. typhimurium TA 1535, TA 1537, TA 98 and TA 100S. typhimurium TA 1535, TA 1537, TA 98, TA 100, TA 102		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	On the basis of the available information, the classification criteria are not met.		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Type of examination	in vitro gene mutation study in mammalian cells		
Species	mouse		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
Route of exposure	oral		
Type of examination	Chromosome aberration test		
Species	mouse		
Method	OECD 475		
Source	ECHA		
Evaluation/classification	On the basis of the available information, the classification criteria are not met.		

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Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Type of examination		Toxicity study	
Species		rat	
Method		OECD 415	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Type of examination		Prenatal Developmental Toxicity Study	
Species		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Route of exposure		oral	
Type of examination		Two-Generation Reproduction Toxicity Study	
Species		rat	
Method		EPA OPPTS 870.3800	
Source		ECHA	
Evaluation/classification		On the basis of the available information, the classification criteria are not met.	
3	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
Route of exposure		oral	
Type of examination		Two-Generation Reproduction Toxicity Study	
Species		rat	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		On the basis of the available information, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	White mineral oil (petroleum)	8042-47-5	232-455-8
Route of exposure		oral	
Type of examination		Toxicity study	
Species		rat	
Method		OECD 453	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	bronopol	52-51-7	200-143-0
Route of exposure		oral	
NOEL		7	mg/kg bw/d
Duration of exposure		104	week/s
Species		rat	
Source		ECHA	
Evaluation/classification		On the basis of the available information, the classification criteria are not met.	

STOT - single exposure			
No	Substance name	CAS no.	EC no.
1	bronopol	52-51-7	200-143-0
Route of exposure		inhalational	
Target organ		respiratory tract	
Source		ECHA	
Effects		May cause respiratory irritation.	
STOT - repeated exposure			

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No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
Evaluation/classification		May cause damage to organs through prolonged or repeated exposure	
2	White mineral oil (petroleum)	8042-47-5	232-455-8
Route of exposure		oral	
Species		rat	
Method		OECD 453	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Species		rat	
Method		OECD 412	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		dermal	
Species		rat	
Method		OECD 411	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Route of exposure		oral	
Duration of exposure		90	day(s)
Species		rat	
Method		EPA OPP 82-1	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Aspiration hazard			
No data available			

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
LC50		11	mg/l
Duration of exposure		96	h
Species		Bluegill	
Source		EFSA	
2	White mineral oil (petroleum)	8042-47-5	232-455-8
LL50		>	10000 mg/l
Duration of exposure		96	h
Species		Leuciscus idus	
Method		OECD 203	
Source		ECHA	
3	bronopol	52-51-7	200-143-0
LC50		35.7	mg/l
Duration of exposure		96	h
Species		Lepomis macrochirus	
Method		EPA OPP 72-1	

Trade name: Latitude XL**Product no.:** CE 114 C0253 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB

Source		ECHA	
4	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LC50		2.15	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
LC50		0.19	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	EPA OPP 72-1		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
NOEC		0.89	mg/l
Duration of exposure		28	day(s)
Species	Pimephales promelas		
Method	OECD 210		
Source	Manufacturer		
2	White mineral oil (petroleum)	8042-47-5	232-455-8
NOEC		0.97	mg/l
Duration of exposure		35	day(s)
Species	zebra fish		
Source	Manufacturer		
3	bronopol	52-51-7	200-143-0
NOEC		21.5	mg/l
Duration of exposure		49	day(s)
Species	Oncorhynchus mykiss		
Method	OECD 210		
Source	ECHA		
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
NOEC		0.098	mg/l
Duration of exposure		28	day(s)
Species	Oncorhynchus mykiss		
Method	OECD 215		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
EC50		14.0	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	Manufacturer		
2	White mineral oil (petroleum)	8042-47-5	232-455-8
EL50		>	100
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	bronopol	52-51-7	200-143-0
EC50		1.4	mg/l
Duration of exposure		48	h
Species	Daphnia magna		

Trade name: Latitude XL**Product no.:** CE 114 C0253 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB

Method	OECD 202
Source	ECHA
4	1,2-benzisothiazol-3(2H)-one
	2634-33-5
	220-120-9
EC50	2.9 mg/l
Duration of exposure	48 h
Species	Daphnia magna
Method	OECD 202
Source	ECHA
5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)
	55965-84-9
	-
EC50	0.16 mg/l
Duration of exposure	48 h
Species	Daphnia magna
Method	EPA OPP 72-2
Source	ECHA

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
NOEC		0.47	mg/l
Species	Daphnia magna		
Method	OECD 211		
Source	Manufacturer		
2	White mineral oil (petroleum)	8042-47-5	232-455-8
NOEC		0.43	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	semi static		
Source	Manufacturer		
3	bronopol	52-51-7	200-143-0
NOEC		0.27	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
NOEC		0.1	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	EPA OPP 72-4		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
ErC50		70.45	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	static		
Source	Manufacturer		
2	bronopol	52-51-7	200-143-0
EC50		0.25	mg/l
Duration of exposure		72	h
Species	Skeletonema costatum		
Method	ISO 10253		
Source	ECHA		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
EC50		0.11	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		

Trade name: Latitude XL**Product no.:** CE 114 C0253 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB

Method	OECD 201
Source	ECHA
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)
EC50	0.0199 mg/l
Duration of exposure	72 h
Species	Skeletonema costatum
Method	OECD 201
Source	ECHA

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
EC50		28	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Source	EFSA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
EC50		12.8	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
EC50		4.5	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	White mineral oil (petroleum)	8042-47-5	232-455-8
Type	aerobic biodegradation		
Value		31	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	potentially biodegradable		
2	bronopol	52-51-7	200-143-0
Type	CO2 formation in % of theoretical value		
Value	70 - 80		%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily degradable		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Type	CO2 formation in % of theoretical value		
Value	> 62		%
Duration		4	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Trade name: Latitude XL**Product no.:** CE 114 C0253 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
BCF		98	
Species		rainbow trout	
Source		Manufacturer	
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
BCF		0.01 - 0.1	
Source		ECHA	
3	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	55965-84-9	-
BCF		<= 54	
Species		fish	
Source		ECHA	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phen-3-carboxamide	175217-20-6	605-752-9
log Pow		3.72	
Source		Manufacturer	
2	bronopol	52-51-7	200-143-0
log Pow		0.22	
Reference temperature		24 °C	
with reference to		pH 7	
Method		EU Method A.8	
Source		ECHA	
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
log Pow		0.7	
Reference temperature		20 °C	
with reference to		pH 7	
Method		EU Method A.8	
Source		ECHA	

12.4 Mobility in soil

Mobility in soil			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
log Koc		0.97	
Reference temperature		25 °C	
Method		OECD 121	
Source		ECHA	

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product

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Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75
2	1-OCTYL-2-PYRROLIDONE	2687-94-7	403-700-8	75
3	2-amino-2-methylpropanol	124-68-5	204-709-8	75
4	acetaldehyde	75-07-0	200-836-8	75
5	bronopol	52-51-7	200-143-0	75
6	dichloromethane	75-09-2	200-838-9	75
7	methenamine	100-97-0	202-905-8	75
8	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	-	75
9	sodium hydroxide	1310-73-2	215-185-5	75
10	vinyl acetate	108-05-4	203-545-4	75

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This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

Regulation (EC) No 1107/2009 concerning the placing of plant protection products on the market

Regulation (EU) No 547/2011 implementing Regulation (EC) No 1107/2009 as regards labelling requirements for plant protection products

Annex III

SP1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
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.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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