

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

LATITUDE XL

UFI:

75W9-909V-R00V-VUUQ

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 Europe B.V. (EU)

Stadsplateau 16

3521 AZ Utrecht - Netherlands

Telephone no. +31(0)30 200 1200

Fax no. +31 (0)30 310 0241

e-mail www.certiseurope.com**Advice on Safety Data Sheet**www.certiseurope.com**Identification of the manufacturer / supplier****Address**

Certis Europe B.V. - United Kingdom

Suite 5, 3 Riverside

Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. +44 (0) 1223 894 261

Fax no. +44 (0)1223 891210

e-mail info@certiseurope.co.uk - www.certiseurope.co.uk**1.4 Emergency telephone number**

+353 1 809 2166 (National Poisons Information Centre)

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**

GHS08

Signal word

Warning

Hazardous component(s) to be indicated on label:

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

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE**Hazard statement(s)**

H373

H412

May cause damage to organs through prolonged or repeated exposure
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

P280

P314

P501

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

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

Get medical advice/attention if you feel unwell.

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.

UFI:

75W9-909V-R00V-VUUQ

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		
	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		

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

	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	< 0,10	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%

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****General information**

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

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

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**7.1 Precautions for safe handling****Advice on safe handling**

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****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

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE**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

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/Colour	
liquid	
red	
Odour	
characteristic	
pH value	
Value	8,7
Reference temperature	20 °C
Concentration	10 g/l
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	425 °C
Explosive properties	
The product does not have explosive properties.	
Flammability	
No data available	
Lower explosion limit	
No data available	

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

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-phene-3-carboxamide	175217-20-6	605-752-9
log Pow		3,4	
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		
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

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

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		
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		

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

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.		

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-phene-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			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phene-3-carboxamide	175217-20-6	605-752-9
Evaluation/classification	May cause damage to organs through prolonged or repeated exposure		

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

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-phene-3-carboxamide	175217-20-6	605-752-9
LC50		14	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	Manufacturer		
2	White mineral oil (petroleum)	8042-47-5	232-455-8
LL50		>	10000
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		
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		

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

Source		ECHA	
Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phene-3-carboxamide	175217-20-6	605-752-9
NOEC		3,2	mg/l
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	Manufacturer		
NOEC		0,89	mg/l
Duration of exposure		28	day(s)
Species	Pimephales promelas		
Method	OECD 210		
Source	Manufacturer		
2	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		
3	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-phene-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		>	mg/l
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		
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-phene-3-carboxamide	175217-20-6	605-752-9
NOEC		4,9	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

Source	Manufacturer		
NOEC		0,47	mg/l
Species	Daphnia magna		
Method	OECD 211		
Source	Manufacturer		
2	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		
3	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	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		
2	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		
Method	OECD 201		
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	-
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-phene-3-carboxamide	175217-20-6	605-752-9
NOEC		4,6	mg/l
Duration of exposure		5	day(s)
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	Manufacturer		
NOEC		2,3	mg/l
Duration of exposure		5	day(s)
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	Manufacturer		

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		

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE**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

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	N-allyl-4,5-dimethyl- 2-(trimethylsilyl)thio-phene-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-phene-3-carboxamide	175217-20-6	605-752-9
log Pow		3,4	
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	

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE**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**

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

Trade name: LATITUDE XL**Product no.:** CE 114 C0253 IRE**Current version :** 2.1.3, issued: 06.04.2022**Replaced version:** 2.1.2, issued: 08.03.2022**Region:** IE

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

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

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

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 762079