

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

Issue date: 21/03/2024 Revision date: 21/03/2024 Supersedes: 01/03/2023 Version: 2.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form Mixture
Product name CP 679A Plus
Product code BU Fire Protection

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture Firestop coating

1.4. Supplier's details

Supplier

Hilti India Private Limited

F-90/4, Okhla Industrial Area Phase 1

IN- 110 020 New Delhi

India

T+9111 4270 1111 - F+91 405 23318

Department issuing data specification sheet

Hilti AG

Feldkircherstraße 100 FL- 9494 Schaan

Liechtenstein T +423 234 2111

product.compliance-fire.protection@hilti.com

1.5. Emergency phone number

Emergency number Emergency CONTACT (24-Hour-Number):

GBK GmbH Global Regulatory Compliance

+49 (0)6132-84463

+9111 4064 6500 +9111 4270 1122

Country	Organisation/Company	Address	Emergency number	Comment
India	National Poisons Information Centre (NPIC) All India Institute Of Medical Sciences, Department of Pharmacology	110029 New Delhi	+91 (0)11-2658 9391; +91 (0)11-2659 3677 +91 1800 116 117 (toll free)	

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Hazardous to the aquatic environment – Acute Hazard, Category 3 H402 Calculation method Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412 Calculation method

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Signal word (GHS UN)

Hazard statements (GHS UN) H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS UN) P273 - Avoid release to the environment.

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2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Titanium dioxide	CAS-No.: 13463-67-7	2.5 – 10	Acute toxicity (oral), Category 5, H303 Acute toxicity (inhalation:dust,mist) Not classified Carcinogenicity, Category 2, H351 Hazardous to the aquatic environment – Acute Hazard, Category 3, H402 Hazardous to the aquatic environment – Chronic Hazard, Category 3, H412
Caramic acid, butyl-, 3-iodo-2propynyl ester	CAS-No.: 55406-53-6	< 0.1	Acute toxicity (oral), Category 4, H302 Acute toxicity (inhal.), Category 3, H331 Acute toxicity (inhalation:dust,mist) Category 3, H331 Serious eye damage/eye irritation, Category 1, H318 Skin sensitisation, Category 1, H317 Specific target organ toxicity – Repeated exposure, Category 1, H372 Hazardous to the aquatic environment – Acute Hazard, Category 1, H400 (M=10) Hazardous to the aquatic environment – Chronic Hazard, Category 1, H410 (M=10)

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Name	Product identifier	%	Classification according to the United Nations GHS
Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one	CAS-No.: 55965-84-9	< 0.1	Acute toxicity (oral), Category 3, H301 Acute toxicity (dermal), Category 2, H310 Acute toxicity (inhal.), Category 2, H330 Skin corrosion/irritation, Category 1C, H314 Serious eye damage/eye irritation, Category 1, H318 Skin sensitisation, category 1A, H317 Hazardous to the aquatic environment – Acute Hazard, Category 1, H400 (M=100) Hazardous to the aquatic environment – Chronic Hazard, Category 1, H410 (M=100)

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse.

First-aid measures after eye contact Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

ersists.

First-aid measures after ingestion Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact May cause an allergic skin reaction.

Potential adverse human health effects and Based on available data, the classification criteria are not met.

symptoms

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Explosion hazard No direct explosion hazard.

Hazardous decomposition products in case of fire Formation of toxic gases is possible during heating or in case of fire.

5.3. Special protective actions for fire-fighters

chemical fire. Prevent fire fighting water from entering the environment.

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Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment Equip cleanup crew with proper protection.

Emergency procedures Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent

formation of vapour.

Hygiene measures Do not eat, drink or smoke when using this product.

Handling temperature 5 – 30 °C

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Keep only in the original container in a cool, well ventilated place away from : Keep

container closed when not in use. Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Incompatible materials

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

Other information

Do not eat, drink or smoke during use.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Avoid all unnecessary exposure. Gloves.

Hand protection Wear protective gloves.

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves,	Nitrile rubber (NBR), Butyl	6 (> 480 minutes)	>4		
Protective gloves,	rubber				
Reusable gloves					

Eye protection Chemical goggles or safety glasses

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Skin and body protection Protective clothing

Respiratory protection Avoid inhalation of vapour and spray mist. In case of inadequate ventilation wear respiratory

protection. (FFP2)

Personal protective equipment symbol(s)







8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state Liquid
Appearance Pasty
Colour white.

Odour slight. odourless. Odour threshold Not available Melting point Not available Freezing point Not available Boiling point ≈ 100 °C Flammability Non flammable. Lower explosion limit Not available Upper explosion limit Not available Flash point Not available Auto-ignition temperature Not available Decomposition temperature Not available 7 - 7.8pH solution concentration 10 % Viscosity, kinematic (calculated value) (40 °C) Not available Partition coefficient n-octanol/water (Log Kow) Not available Not available Vapour pressure Vapour pressure at 50°C Not available 1.34 - 1.48 g/cm³ Density Relative density Not available Relative vapour density at 20°C Not available

Viscosity, dynamic 25000 – 40000 mPa·s
Particle size Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Not available

Explosive properties Product is not explosive

Oxidising properties Not applicable VOC content <1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Solubility

No additional information available

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (dermal) Acute toxicity (inhalation) Not classified Not classified Not classified Not classified Titanium dioxide (13463-67-7) LD50 oral rat > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) LD50 oral 5000 mg/kg LC50 Inhalation - Rat > 5.09 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s)) Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) LD50 oral rat 66 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Calculated by reference to active substance, Oral, 14 day(s)) LD50 dermal rat 2	SECTION 11: Toxicological inf	formation		
Acute toxicity (dermal) Acute toxicity (inhalation) Not classified Acute toxicity (inhalation) Not classified Separamental value, Oral, 14 day(s)	11.1. Information on toxicological eff	ects		
Titanium dioxide (13463-67-7) LD50 oral rat > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) LD50 oral 5000 mg/kg > 5.09 mg/ (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s)) Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) LD50 oral rat 66 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Calculated by reference to active substance, Oral, 14 day(s)) LD50 dermal rat 66 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Calculated by reference to active substance, Oral, 14 day(s)) LD50 dermal rat 9.17 mg/kg bodyweight (OECD 403: Acute Inhalation Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) LD50 dermal rat 0.17 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Oral rat 300 - 500 mg/kg bodyweight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral) LD50 dermal rat 300 - 500 mg/kg bodyweight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral) LD50 dermal rat 9.67 mg/ (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal rat (O.67 mg/ (OECD 403: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal rat (O.63 mg/ (OECD 403: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal rat (OECD 403: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal rat (OECD 403: Acute Dermal Toxicity, 34 h, Rat, Male / female, Experimental value, Dermal rat (OECD 403: Acute Dermal Toxicity, 34 h, Rat, Male / female, Experimental value, Dermal rat (OECD 403: Acute Dermal Toxicity, 34 h, Rat, Male / female, Experimental value, Dermal rat (OECD 403: Acute Dermal Toxicity, 34 h, Rat, Male / fem	Acute toxicity (oral)	Not classified		
Titanium dioxide (13463-67-7) LD50 oral rat > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) LD50 oral 5000 mg/kg 5	Acute toxicity (dermal)	Not classified		
D50 oral rat > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	Acute toxicity (inhalation)	Not classified		
Experimental value, Oral, 14 day(s)) LD50 oral LD50 Inhalation - Rat So00 mg/kg LD50 Inhalation - Rat Mixture of 5-chloro-2-methylisothiazol-3(2H)—one and 2-methylisothiazol-3(2H)—one (55965-84-9) LD50 oral rat 66 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Calculated by reference to active substance, Oral, 14 day(s)) LD50 dermal rat LD50 dermal rat D17 mg/l air (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Calculated by reference to active substance, Oral, 14 day(s)) LC50 Inhalation - Rat D17 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Calculated by reference to active substance, Inhalation (dust), 14 day(s)) Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) LD50 oral rat D50 oral r	Titanium dioxide (13463-67-7)			
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Inhalation (dust), 14 day(s) Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) LD50 oral rat	LD50 oral	5000 mg/kg		
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STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure.	STOT-repeated exposure	Not classified		
	Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6)			
Aspiration hazard Not classified	STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.		
	Aspiration hazard	Not classified		

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Potential adverse human health effects and symptoms

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term

(acute)

Classification procedure (Hazardous to the aquatic

environment, short-term (acute))

Hazardous to the aquatic environment, long-term (chronic)

Classification procedure (Hazardous to the aquatic environment, long-term (chronic))

Harmful to aquatic life.

Calculation method

Harmful to aquatic life with long lasting effects.

Calculation method

Titanium dioxide (13463-67-7)		
LC50 - Fish [1]	> 1000 mg/l (Pisces, Fresh water)	
LC50 - Other aquatic organisms [1]	> 10000 mg/l	
EC50 - Crustacea [1]	> 1000 mg/l (Invertebrata, Fresh water)	
EC50 - Crustacea [2]	> 10000 mg/l	
EC50 72h - Algae [1]	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)	
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)	

Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9)		
LC50 - Fish [1] 0.19 mg/l (EPA OPP 72-1, 96 h, Oncorhynchus mykiss, Flow-through sys water, Experimental value, GLP)		
EC50 - Crustacea [1]	0.007 mg/l (48 h, Acartia tonsa, Salt water, Experimental value, GLP)	
ErC50 algae	19.9 μg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Skeletonema costatum, Static system, Salt water, Experimental value, GLP)	

Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6)		
LC50 - Fish [1]	0.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Experimental value)	
LC50 - Fish [2]	85 mg/l (EPA OPP 72-1, 96 h, Oncorhynchus mykiss, Flow-through system, Salt water, Experimental value, Reaction product)	
EC50 - Crustacea [1]	0.16 mg/l (EPA OPP 72-2, 48 h, Daphnia magna, Flow-through system, Experimental value)	
EC50 - Crustacea [2]	60 mg/l (EPA OPP 72-2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Reaction product)	
ErC50 algae	> 41.3 mg/l (EPA OTS 797.1050, 96 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, Reaction product)	

12.2. Persistence and degradability

CP 679A Plus		
Persistence and degradability Not established.		
Titanium dioxide (13463-67-7)		
Not rapidly degradable		
Persistence and degradability Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable (inorganic)	

26/04/2024 IN - en 7/11



Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Not rapidly degradable Not readily biodegradable in water.					
Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Not rapidly degradable Persistence and degradability Not readily biodegradable in water. Caramic acid, butyl-, 3-iodo-2proppynyl ester (55406-53-6) Persistence and degradability Readily biodegradable in the soil. Readily biodegradable in water. Chemical oxygen demand (COD) 1.15 g O./g substance 12.3. Bioaccumulative potential CP 579A Plus Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 – 54 (DECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochins, Flow-through spiken, Flesh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) -0.32 – 0.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) Bioaccumulative potential Low potential or bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2proppynyl ester (55406-53-6) BCF - Fish [1] 3.3 – 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.8 °L (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2proppynyl ester (55406-53-6) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Copanic Carbon Normalized Adsorption Coefficient (Log Koc) No data available in the literature Copanic Carbon Normalized Adsorption Coefficient (Log Koc) Reprise In the Iliterature (Scology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2proppynyl ester (S5406-53-6) Surface tension Oscillated value) (21 (log Koc, Experimental value)	Titanium dioxide (13463-67-7)				
Not readily biodegradable Persistence and degradability Readily biodegradable in water. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Persistence and degradability Chemical oxygen demand (COD) 1.15 g O_/g substance					
Persistence and degradability Not readily biodegradable in water. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Persistence and degradability Readily biodegradable in the soil. Readily biodegradable in water. Chemical oxygen demand (COD) 1.15 g O./g substance 2.3. Bioaccumulative potential CF 679A Plus Bioaccumulative potential Not established. Titanium dioxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BGF - Fish [1] A1 - 54 (OECD 305, Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) -0.32 - 0.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BEGF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.8 °C (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 2.41 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil No data available in the literature Cercology - soil No data available in the literature Cercology - soil No data available in the literature Floogy - soil No data available in the literature Cercology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension Sal mN/m (158 mg/l, EU Method A.5: Surface tension) Coganic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 ((og Koc, Experimental value)	Mixture of 5-chloro-2-methylisothiazol-3(2H)-	one and 2-methylisothiazol-3(2H)-one (55965-84-9)			
Caramic acid, butyl-, 3-lodo-2propynyl ester (55406-53-6) Persistence and degradability Readily biodegradable in the soil. Readily biodegradable in water. Chemical oxygen demand (COD) 1.15 g O ₂ /g substance 2.3. Bioaccumulative potential CP 679A Plus Bioaccumulative potential Not established. Titanium dioxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 - 54 (DECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through Fish Test, 28 day(s), Lepomis macrochirus Flow-through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through Fish Test, 28 day(s), Lepomis day(s), Lepomis Plantium Fish Test, 28 day(s), Lepomis day(s), Lepomis Plantium Fish Test, 28 day(s), Lepomis Plantium Fis	Not rapidly degradable				
Persistence and degradability Readily biodegradable in the soil. Readily biodegradable in water. Chemical oxygen demand (COD) 1.15 g O./g substance 1.15 g O./g substance Personal Defension Substance Personal Description Substance Not established. Titanium dioxide (13463-67-7) Bioaccumulative potential Not established. Titanium dioxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 1 1-54 (OEC) 305, Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochiums, Flow-through system, Fresh water, Experimental value, Presh weight) Partition coefficient n-octanol/water (Log Kow) -0.32 -0.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Oyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.8 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 1.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension Normalized Adsorption Coefficient (Log Koo) 8.1 mN/m (158 mgl, EU Method A.5: Surface tension) Corganic Carbon Normalized Adsorption Coefficient (Log Koo) 2.1 (I)	Persistence and degradability	Not readily biodegradable in water.			
Chemical oxygen demand (COD) 1.15 g Oy/g substance 12.3. Bioaccumulative potential CP 679A Plus Bioaccumulative potential Not established. Titanium dioxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 - 54 (OECD 306: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochrus, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Forganic Carbon Normalized Adsorption Coefficient (Log Koc) Corganic Carbon Normalized Adsorption Coefficient (Log Koc) Surface tension But Action Normalized Adsorption Coefficient (Log Koc) Corganic Carbon Normalized Adsorption Coefficient (Log Koc) Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Caramic acid, butyl-, 3-iodo-2propynyl ester	(55406-53-6)			
Partition coefficient n-octanol/water (Log Kow) 25 (Cyprinus carpio, Literature study)	Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.			
Bioaccumulative potential Not established.	Chemical oxygen demand (COD)	1.15 g O₂/g substance			
Bioaccumulative potential Not established. Titanium dioxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 - 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-Through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) -0.32 - 0.7 (Experimental value, DECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) Bioaccumulative potential Low potential For bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) No data available in the literature Corganic Carbon Normalized Adsorption Coefficient (Log Koc) Declogy - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	12.3. Bioaccumulative potential				
Titanium dioxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 – 54 (DECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochius, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) -0.32 – 0.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 – 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.8 * (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 28 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Craganic Carbon Normalized Adsorption Coefficient (Log Koc) Flighly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension (9.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	CP 679A Plus				
Bioaccumulative potential Not bioaccumulative. Mixture of 5-chloro-2-methylisothiazol-3(2H)—ne and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 – 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) -0.32 – 0.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 – 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)—ne and 2-methylisothiazol-3(2H)—ne (55965-84-9) Surface tension Normalized Adsorption Coefficient (Log Koc) Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension (9.8 th, 7) (log Koc, Calculated value) Organic Carbon Normalized Adsorption Coefficient (Log Koc) Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension (9.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Bioaccumulative potential	Not established.			
Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) BCF - Fish [1] 41 - 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Titanium dioxide (13463-67-7)				
BCF - Fish [1] 41 – 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) 3.32 – 0.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20°C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 – 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25°C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc, Calculated value) (Log Koc) Garanic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value) (Log Koc, Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Bioaccumulative potential	Not bioaccumulative.			
macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight) Partition coefficient n-octanol/water (Log Kow) Partition coefficient n-octanol/water (Log Kow) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc, Calculated value) (Log Koc) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9)				
method, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 2.4.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Mixture of 5-chloro-2-methylisothiazol-3(2H)—one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension Organic Carbon Normalized Adsorption Coefficient (Log Koc) 1.1 (log Koc, Experimental value) 1.2 (log Koc, Experimental value) 2.3 (log Koc, Experimental value)	BCF - Fish [1]	41 – 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)			
Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) BCF - Fish [1] 3.3 – 4.5 (Cyprinus carpio, Literature study) Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 2.5°C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 12.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Partition coefficient n-octanol/water (Log Kow)				
BCF - Fish [1] 3.3 - 4.5 (Cyprinus carpio, Literature study) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 2.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc, Calculated value) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension Organic Carbon Normalized Adsorption Coefficient (5806-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).			
Partition coefficient n-octanol/water (Log Kow) 2.81 (Literature, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 2.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc, Calculated value) (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6)				
Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). 2.4. Mobility in soil	BCF - Fish [1]	3.3 – 4.5 (Cyprinus carpio, Literature study)			
2.4. Mobility in soil CP 679A Plus Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Partition coefficient n-octanol/water (Log Kow)				
Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).			
Mobility in soil No additional information available Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc, Experimental value)	12.4. Mobility in soil				
Titanium dioxide (13463-67-7) Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	CP 679A Plus				
Surface tension No data available in the literature Ecology - soil Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Mobility in soil	No additional information available			
Low potential for mobility in soil. Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Titanium dioxide (13463-67-7)				
Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one (55965-84-9) Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Surface tension	No data available in the literature			
Surface tension No data available in the literature Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Ecology - soil	Low potential for mobility in soil.			
Organic Carbon Normalized Adsorption Coefficient (Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Mixture of 5-chloro-2-methylisothiazol-3(2H)-	one and 2-methylisothiazol-3(2H)-one (55965-84-9)			
(Log Koc) Ecology - soil Highly mobile in soil. Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Surface tension	No data available in the literature			
Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6) Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.81 – 1 (log Koc, Calculated value)			
Surface tension 69.1 mN/m (158 mg/l, EU Method A.5: Surface tension) Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Ecology - soil	Highly mobile in soil.			
Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.1 (log Koc, Experimental value)	Caramic acid, butyl-, 3-iodo-2propynyl ester	Caramic acid, butyl-, 3-iodo-2propynyl ester (55406-53-6)			
(Log Koc)	Surface tension	69.1 mN/m (158 mg/l, EU Method A.5: Surface tension)			
Ecology - soil Low potential for adsorption in soil.	Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.1 (log Koc, Experimental value)			
	Ecology - soil	Low potential for adsorption in soil.			

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12.5. Other adverse effects

Ozone Not classified

Other adverse effects

No additional information available
Other information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations

Ecology - waste materials

Dispose in a safe manner in accordance with local/national regulations.

Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID		
14.1. UN number or ID number					
Not applicable	Not applicable	Not applicable	Not applicable		
14.2. UN proper shipping name	,				
Not applicable	Not applicable	Not applicable	Not applicable		
14.3. Transport hazard class(es	s)				
Not applicable	Not applicable	Not applicable	Not applicable		
14.4. Packing group	14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental hazards					
Not applicable	Not applicable Not applicable Not applicable Not applicable				
No supplementary information availal	No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

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SECTION 16: Other information

 Issue date
 21-03-2024

 Revision date
 21-03-2024

 Supersedes
 01-03-2023

Other information None.

Acute Tox. 2 (Dermal) Acute Tox. 2 (Inhalation) Acute Tox. 3 (Inhalation:dust.mist) Acute Tox. 3 (Inhalation:dust.mist) Acute Tox. 3 (Inhalation:dust.mist) Acute Tox. 3 (Inhalation:dust.mist) Acute Tox. 5 (Oral) Acute Tox. 5 (Oral) Acute Tox. 6 (Oral) Acute Tox. 5 (Oral) Acute Tox. Not classified (Inhalation:dust.mist) Acute Tox. 5 (Oral) Acute Tox. Not classified (Inhalation:dust.mist) Acute Tox. 8 (Oral) Acute Tox. 9 (Oral) Acute Tox. 8 (Oral) Acute Tox. 9 (Oral) Acute	Full text of H-statements:	
Acute Tox. 3 (Inhalation) Acute Tox. 3 (Inhalation.dust,mist) Acute Tox. 3 (Inhalation.dust,mist) Acute Tox. 3 (Oral) Acute Tox. 3 (Oral) Acute Tox. 4 (Oral) Acute Tox. 4 (Oral) Acute Tox. 5 (Oral) Acute Tox. 8 (Inhalation.dust,mist) Acute Tox. 9 (Inhalation.dust,mist) Acute Tox. 10	Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 3 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 3 Acute Tox. 3 (Oral) Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4 Acute Tox. 5 (Oral) Acute Tox. 5 (Oral) Acute Tox. 5 (Oral) Acute Tox. 5 (Oral) Acute Tox. Not classified (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Not classified Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1 Aquatic Chronic 1 Serious eye damage/eye irritation, Category 1 Serious eye damage/eye irritation, Category 1 Skin Sens. 1 Skin corrosion/irritation, Category 1C Skin Sens. 1 Skin sensitisation, category 1A STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal in contact with skin H314 Causes severe skin burns and eye damage H337 May cause an allergic skin reaction H330 Fatal if inhaled H331 Toxic if inhaled H331 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H402 Harmful to aquatic life	Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral) Acute Tox. 4 (Oral) Acute Tox. 4 (Oral) Acute Tox. 5 (Oral) Acute Tox. 8 (Oral) Acute Tox. 9 (Oral) Acute Tox. 9 (Oral) Acute Tox. 9 (Oral) Acute Tox. 5 (Oral) Acute Tox. 6 (Oral) Acute Tox. 8 (Oral) Acute Tox. 9 (Oral) Acute Tox. 9 (Oral) Acute Tox. 9 (Oral) Acute Tox. 9 (Oral) Acute	Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Oral) Acute Tox. 5 (Oral) Acute toxicity (oral), Category 4 Acute Tox. 5 (Oral) Acute Tox. Not classified (Inhalation-dust,mist) Acute toxicity (inhalation-dust,mist) Not classified Aquatic Acute 1 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 1 Aquatic Chronic 1 Acute Tox. 8 (Category 1 Aquatic Chronic 1 Aquatic Chr	Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 5 (Oral) Acute Tox. Not classified (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Not classified Aquatic Acute 1 Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1 Carc. 2 Carcinogenicity, Category 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Skin Corr. 1C Skin Sens. 1 Skin corrosion/irritation, Category 1 Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Stort RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H317 May cause an allergic skin reaction Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. Not classified (Inhalation:dust.mist) Acute toxicity (inhalation:dust.mist) Not classified Aquatic Acute 1 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 1 Agardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Agardous to the aquatic environment – Chronic Hazard, Category 1 Carc. 2 Carcinogenicity, Category 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Skin Corr. 1C Skin Corr. 1C Skin sens. 1 Skin sensitisation, Category 1 Skin Sens. 1 Skin sens. 1A Skin sensitisation, category 1A STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H331 Toxic if inhaled H331 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1 Carc. 2 Carcinogenicity, Category 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Skin Corr. 1C Skin corrosion/irritation, Category 1C Skin Sens. 1 Skin sensitisation, Category 1A STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects	Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1 Carc. 2 Carcinogenicity, Category 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Skin Corr. 1C Skin corrosion/irritation, Category 1C Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1 Skin sensitisation, Category 1A STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Acute Tox. Not classified (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Not classified
Carc. 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Skin Corr. 1C Skin corrosion/irritation, Category 1C Skin Sens. 1 Skin Sens. 1 Skin sensitisation, Category 1A Stort RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H331 Toxic if inhaled H331 Toxic if inhaled H332 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Skin Corr. 1C Skin Corr. 1C Skin sens. 1 Skin sensitisation, Category 1 Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Skin sensitisation, category 1 Stort RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H331 Toxic if inhaled H331 Suspected of causing cancer Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Skin Corr. 1C Skin Sens. 1 Skin sensitisation, Category 1 Skin Sens. 1A Skin sensitisation, category 1A Stort RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects	Carc. 2	Carcinogenicity, Category 2
Skin Sens. 1 Skin Sens. 1A Skin sensitisation, Category 1A STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life Wery toxic to aquatic life with long lasting effects	Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Sens. 1A Skin sensitisation, category 1A SPOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed Harmful if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Skin Corr. 1C	Skin corrosion/irritation, Category 1C
STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1 H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal in contact with skin Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H331 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Skin Sens. 1	Skin sensitisation, Category 1
H301 Toxic if swallowed H302 Harmful if swallowed H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H331 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	Skin Sens. 1A	Skin sensitisation, category 1A
Harmful if swallowed H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
H303 May be harmful if swallowed H310 Fatal 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 H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H301	Toxic if swallowed
H310 Fatal 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 H331 Toxic if inhaled H331 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H302	Harmful if swallowed
H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H303	May be harmful if swallowed
H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H310	Fatal in contact with skin
H318 Causes serious eye damage H330 Fatal if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H314	Causes severe skin burns and eye damage
H330 Fatal if inhaled H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H317	May cause an allergic skin reaction
H331 Toxic if inhaled H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H318	Causes serious eye damage
H351 Suspected of causing cancer H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H330	Fatal if inhaled
H372 Causes damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H331	Toxic if inhaled
H400 Very toxic to aquatic life H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H351	Suspected of causing cancer
H402 Harmful to aquatic life H410 Very toxic to aquatic life with long lasting effects	H372	Causes damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects	H400	Very toxic to aquatic life
	H402	Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects	H410	Very toxic to aquatic life with long lasting effects
	H412	Harmful to aquatic life with long lasting effects

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

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