

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Revision date 25/09/2025

Revision Number 1

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

1.1. Product identifier

Product Code(s) CA03IW-00E55
Product Name FS43 FUNGI-SHIELD SILK WHITE
Pure substance/mixture Mixture

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

Recommended use No information available
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Trimite Global Coatings T/A Carrs Coatings Ltd., 2e Eagle Road, Moons Moat North Ind. Est., Redditch B98 9HF, UK. Tel: +44 (0)1527 599460.

1.4. Emergency telephone number

Emergency Telephone Emergency Telephone: +44 (0)1527 599460, Mon-Thur 08.30 - 16.30, Fri 08.30 - 13.00.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Hazardous to the aquatic environment - chronic	Category 2 - (H411)
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2.2. Label elements



Hazard statements

H411 - Toxic to aquatic life with long lasting effects.

EUH208 - Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1);

3-iodo-2-propynyl-butylcarbamate. May produce an allergic reaction.

Precautionary statements

P273 - Avoid release to the environment.

P391 - Collect spillage.

P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

P102 - Keep out of reach of children.

Unknown acute toxicity

2.3. Other hazards

Other hazards

Toxic to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No. (Index No.)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Titanium Dioxide 13463-67-7	10 - <25%	236-675-5	-	-	-	-	-	V,W,10
3-iodo-2-propynyl-butylcarbamate 55406-53-6	0.5 - <1%	259-627-5 (616-212-00-7)	-	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Eye Dam. 1 (H318) Acute Tox. 3 (H331) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	10	1	-
Ammonia 10 - <25% 1336-21-6	0.025 - <0.25%	(007-001-01-2) 215-647-6	-	Flam. Gas 2 (H221) Press. Gas Skin Corr. 1B (H314) Acute Tox. 3 (H331) Aquatic Acute 1 (H400)	STOT SE 3 :: C>=5%	-	-	B
bronopol (INN) 52-51-7	<0.025%	(603-085-00-8) 200-143-0	-	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400)	-	10	10	-
reaction mass of: 5-chloro-2-methyl-4-i sothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	<0.025%	(613-167-00-5)	-	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Skin Corr. 1C (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330)	Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.	100	100	B

55965-84-9				Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	6% Skin Sens. 1A : C>=0.0015% Eye Dam. 1 : C>=0.6%			
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	<0.025%	(613-167-00-5)	-	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Skin Corr. 1C (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	Eye Irrit. 2 : 0.06%<=C<0.6% Skin Corr. 1C : C>=0.6% Skin Irrit. 2 : 0.06%<=C<0.6% 6% Skin Sens. 1A : : C>=0.0015% Eye Dam. 1 : C>=0.6%	100	100	B

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note V - If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W - It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Note 10 - The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

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

Acute Toxicity Estimate

In the absence of LD50/LC50 data, the conversion value (converted acute toxicity point estimate) may be indicated here; please note that these values do not represent test results

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Titanium Dioxide 13463-67-7	2000	No data available	5.09	No data available	No data available
3-iodo-2-propynyl-butylcarbamate 55406-53-6	1470	2000	No data available	No data available	No data available
Ammonia 10 - <25% 1336-21-6	350	No data available	No data available	No data available	No data available
bronopol (INN) 52-51-7	180	1600	No data available	No data available	No data available
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	87.12	No data available	No data available	No data available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
55965-84-9					
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	53	87.12	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Rinse mouth.

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

Symptoms	No information available.
Effects of Exposure	No information available.

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

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.
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5.3. Advice for firefighters

Special protective equipment and	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.
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precautions for fire-fighters Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³

Ammonia 10 - <25% 1336-21-6	TWA: 25 ppm TWA: 18 mg/m ³ STEL: 35 ppm STEL: 25 mg/m ³
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Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
3-iodo-2-propynyl-butylcarbamate 55406-53-6		2 mg/kg bw/day [4] [6]	0.023 mg/m ³ [4] [6] 0.07 mg/m ³ [4] [7] 1.16 mg/m ³ [5] [6] 1.16 mg/m ³ [5] [7]
bronopol (INN) 52-51-7		2 mg/kg bw/day [4] [6] 6 mg/kg bw/day [4] [7] 8 µg/cm ² [5] [6] 8 µg/cm ² [5] [7]	3.5 mg/m ³ [4] [6] 10.5 mg/m ³ [4] [7] 2.5 mg/m ³ [5] [6] 2.5 mg/m ³ [5] [7]
Sodium Acrylate 7446-81-3		4.5 mg/kg bw/day [4] [6]	30 mg/m ³ [4] [6] 30 mg/m ³ [4] [7] 30 mg/m ³ [5] [6] 30 mg/m ³ [5] [7]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) 55965-84-9			0.02 mg/m ³ [5] [6] 0.04 mg/m ³ [5] [7]
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9			0.02 mg/m ³ [5] [6] 0.04 mg/m ³ [5] [7]
GLYOXAL...% 107-22-2		6.6 mg/kg bw/day [4] [6]	2.96 mg/m ³ [4] [6] 8.9 mg/m ³ [4] [7] 40 µg/m ³ [5] [6]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Butyl Diglycol Acetate 124-17-4	7.9 mg/kg bw/day [4] [6]		
bronopol (INN) 52-51-7	0.18 mg/kg bw/day [4] [6] 0.5 mg/kg bw/day [4] [7]	2.1 mg/kg bw/day [4] [6] 2.1 mg/kg bw/day [4] [7] 4 µg/cm ² [5] [6] 4 µg/cm ² [5] [7]	0.6 mg/m ³ [4] [6] 1.8 mg/m ³ [4] [7] 0.6 mg/m ³ [5] [6] 0.6 mg/m ³ [5] [7]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) 55965-84-9	0.09 mg/kg bw/day [4] [6] 0.11 mg/kg bw/day [4] [7]		0.02 mg/m ³ [5] [6] 0.04 mg/m ³ [5] [7]

Chemical name	Oral	Dermal	Inhalation
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	0.09 mg/kg bw/day [4] [6] 0.11 mg/kg bw/day [4] [7]		0.02 mg/m ³ [5] [6] 0.04 mg/m ³ [5] [7]
GLYOXAL...% 107-22-2	0.15 mg/kg bw/day [4] [6]		0.44 mg/m ³ [4] [6] 1.32 mg/m ³ [4] [7] 10 µg/m ³ [5] [6]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Butyl Diglycol Acetate 124-17-4	70 mg/kg food 0.108 mg/L	0.6 mg/L	70 mg/kg food 0.0108 mg/L		
3-iodo-2-propynyl-butylcarbamate 55406-53-6	0.0005 mg/L	0.00053 mg/L	4.6E-05 mg/L	0.00053 mg/L	
bronopol (INN) 52-51-7	0.00125 mg/L	0.000265 mg/L	0.00052 mg/L		
Sodium Acrylate 7446-81-3	0.03 g/kg food 0.003 mg/L	0.0013 mg/L	0.3 µg/L 0.03 g/kg food		
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) 55965-84-9	3.39 µg/L	3.39 µg/L	3.39 µg/L	3.39 µg/L	
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	3.39 µg/L	3.39 µg/L	3.39 µg/L	3.39 µg/L	
GLYOXAL...% 107-22-2	0.319 mg/L	1.1 mg/L	0.0319 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Butyl Diglycol Acetate 124-17-4	0.8 mg/kg sediment dw	0.08 mg/kg sediment dw	100 mg/L	0.29 mg/kg soil dw	
3-iodo-2-propynyl-butylcarbamate 55406-53-6	0.017 mg/kg sediment dw	0.0016 mg/kg sediment dw	0.44 mg/L	0.005 mg/kg soil dw	
bronopol (INN) 52-51-7	0.0215 mg/kg sediment dw	0.008944 mg/kg sediment dw	0.43 mg/L	0.21 mg/kg soil dw	
Sodium Acrylate 7446-81-3	0.02364 mg/kg sediment dw	0.002364 mg/kg sediment dw	0.9 mg/L	1 mg/kg soil dw	

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) 55965-84-9	0.027 mg/kg sediment dw	0.027 mg/kg sediment dw	0.23 mg/L	0.01 mg/kg soil dw	
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	0.027 mg/kg sediment dw	0.027 mg/kg sediment dw	0.23 mg/L	0.01 mg/kg soil dw	
GLYOXAL...% 107-22-2	0.685 mg/kg sediment dw	0.0685 mg/kg sediment dw	4.1 mg/L	6.3 mg/kg soil dw	

8.2. Exposure controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Personal protective equipment

Eye/face protection

Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

Hand protection

Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

Skin and body protection

Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

Respiratory protection

Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	white
Odour	No information available.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known

Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

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

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	8,604.60 mg/kg
ATEmix (dermal)	813,101.10 mg/kg
ATEmix (inhalation-gas)	71,307.80 ppm
ATEmix (inhalation-vapour)	305.60 mg/L
ATEmix (inhalation-dust/mist)	16.80 mg/L

Unknown acute toxicity**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide	> 2000 mg/kg (Rat)	-	> 5.09 mg/L (Rat) 4 h
3-iodo-2-propynyl-butylcarbamate	= 1470 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 0.23 mg/L (Rat) 4 h
Ammonia 10 - <25%	= 350 mg/kg (Rat)	-	-
bronopol (INN)	= 180 mg/kg (Rat)	= 1600 mg/kg (Rat)	> 5 g/m ³ (Rat) 6 h
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	= 53 mg/kg (Rat)	= 87.12 mg/kg (Rabbit)	-
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	= 53 mg/kg (Rat)	= 87.12 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
3-iodo-2-propynyl-butylcarbamate	-	LC50: 0.14 - 0.32mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 0.049 - 0.079mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.05 - 0.089mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.18 - 0.23mg/L (96h, <i>Pimephales promelas</i>)	-	-
Ammonia 10 - <25%	-	LC50: =8.2mg/L (96h, <i>Pimephales promelas</i>)	-	EC50: =0.66mg/L (48h, water flea) EC50: =0.66mg/L (48h, <i>Daphnia pulex</i>)
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	EC50: 0.11 - 0.16mg/L (72h, <i>Pseudokirchneriella subcapitata</i>) EC50: 0.03 - 0.13mg/L (96h, <i>Pseudokirchneriella subcapitata</i>)	LC50: =1.6mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	EC50: =4.71mg/L (48h, <i>Daphnia magna</i>) EC50: 0.12 - 0.3mg/L (48h, <i>Daphnia magna</i>) EC50: 0.71 - 0.99mg/L (48h, <i>Daphnia magna</i>)
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	EC50: 0.11 - 0.16mg/L (72h, <i>Pseudokirchneriella subcapitata</i>) EC50: 0.03 - 0.13mg/L (96h, <i>Pseudokirchneriella</i>)	LC50: =1.6mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	EC50: =4.71mg/L (48h, <i>Daphnia magna</i>) EC50: 0.12 - 0.3mg/L (48h, <i>Daphnia magna</i>) EC50: 0.71 - 0.99mg/L (48h, <i>Daphnia magna</i>)

	subcapitata)			
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12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential**Bioaccumulation****Component Information**

Chemical name	Partition coefficient
3-iodo-2-propynyl-butylcarbamate	2.88
bronopol (INN)	0.22
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	0.7
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	0.7

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Titanium Dioxide	Not PBT/vPvB
3-iodo-2-propynyl-butylcarbamate	Not PBT/vPvB
bronopol (INN)	Not PBT/vPvB
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	Not PBT/vPvB
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	Not PBT/vPvB

12.6. Other adverse effects

No information available.

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

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	III

14.5 Environmental hazards Yes
 14.6 Special precautions for user
 Special Provisions A197

IMDG

14.1 UN number or ID number UN3082
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.
 14.3 Transport hazard class(es) 9
 14.4 Packing group III
 14.5 Environmental hazards Yes
 14.6 Special precautions for user
 Special Provisions 274, 335, 375, 601, 650
 14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number UN3082
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.
 14.3 Transport hazard class(es) 9
 14.4 Packing group III
 14.5 Environmental hazards Yes
 14.6 Special precautions for user
 Special Provisions 274, 335, 375, 601
 Classification code M6

ADR

14.1 UN number or ID number UN3082
 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.
 14.3 Transport hazard class(es) 9
 14.4 Packing group III
 14.5 Environmental hazards Yes
 14.6 Special precautions for user
 Special Provisions 274, 335, 375, 601
 Classification code M6

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

Chemical name	Restricted substance per UK REACH Annex XVII	Substance subject to authorization per UK REACH Annex XIV
Ammonia 10 - <25% - 1336-21-6	Use restricted. See item 65.	-

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Dangerous substance category per COMAH (SI 2015/483 as amended)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Named dangerous substances per COMAH (SI 2015/483 as amended)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
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Ammonia 10 - <25% - 1336-21-6	-	200
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The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
3-iodo-2-propynyl-butylcarbamate - 55406-53-6	Product-type 6: Preservatives for products during storage Product-type 7: Film preservatives Product-type 8: Wood preservatives Product-type 9: Fibre, leather, rubber and polymerised materials preservatives Product-type 10: Construction material preservatives Product-type 13: Working or cutting fluid preservatives
bronopol (INN) - 52-51-7	Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - 55965-84-9	Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 6: Preservatives for products during storage Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) - 55965-84-9	Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 6: Preservatives for products during storage Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons and Explosives Precursor per Poisons Act 1972

Chemical name	Concentration limit for regulated explosives precursors
Ammonia 10 - <25%	Poison, Reportable 10 % w/w

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status
TCSI	Contact supplier for inventory compliance status

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical Safety Report No information available

UK SDS version information - XGHS

UL release:
 GHS Revision 7
 2022 Q1

United Kingdom

Partial process, including GHS Wizard, NO TW

Full text of any hazard and/or precautionary statements referred to under Sections 2-15
 H221 - Flammable gas H301 - Toxic if swallowed H302 - Harmful if swallowed H310 - Fatal 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 H330 - Fatal if inhaled H331 - Toxic if inhaled H335 - May cause respiratory irritation 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

Chemical name	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)
3-iodo-2-propynyl-butylcarbamate	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Eye Dam. 1 (H318) Acute Tox. 3 (H331) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
Ammonia 10 - <25%	Flam. Gas 2 (H221) Press. Gas Skin Corr. 1B (H314) Acute Tox. 3 (H331) Aquatic Acute 1 (H400)	STOT SE 3 :: C>=5%
bronopol (INN)	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) Aquatic Acute 1 (H400)	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Skin Corr. 1C (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1A :: C>=0.0015% Eye Dam. 1 :: C>=0.6%
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Skin Corr. 1C (H314) Skin Sens. 1A (H317)	Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1A :: C>=0.0015%

	Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	Eye Dam. 1 :: C>=0.6%
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For further information, please contact _____