

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1. Product identifier Ultimate Quik Wax G2009 [G200916]

Product Identification Numbers 14-1001-3168-0

7012496738

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

Identified uses Automotive.

1.3. Details of the supplier of the safety data sheet

Address:3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.Telephone:+353 1 280 3555E Mail:tox.uk@mmm.comWebsite:www.3M.com

1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

CLASSIFICATION:

Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

2.2. Label elements CLP REGULATION (EC) No 1272/2008

HAZARD STATEMENTS:

H412

Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Disposal:

P501

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

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). May produce an allergic reaction.

Information required per Regulation (EU) No 528/2012 on Biocidal Products:

Contains a biocidal product (preservative): C(M)IT/MIT (3:1).

2.3. Other hazards

None known. This material does not contain any substances that are assessed to be a PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation
			(EC) No. 1272/2008 [CLP]
Non-Hazardous Ingredients	Mixture	80 - 100	Substance not classified as hazardous
Alcohols, C11-14-iso-, C13-rich,	(CAS-No.) 78330-21-9	< 0.2	Acute Tox. 4, H302
ethoxylated			Eye Dam. 1, H318
			Aquatic Acute 1, H400,M=1
			Aquatic Chronic 1, H410,M=1
reaction mass of: 5-chloro-2-methyl-4-	(CAS-No.) 55965-84-9	< 0.0015	EUH071
isothiazolin-3-one [EC no. 247-500-	(EC-No.) 911-418-6		Acute Tox. 3, H301
7]and 2-methyl-2H-isothiazol-3-one [EC			Skin Corr. 1C, H314
no. 220-239-6] (3:1)			Eye Dam. 1, H318
			Skin Sens. 1A, H317
			Aquatic Acute 1, H400,M=100
			Aquatic Chronic 1, H410,M=100
			Nota B
			Acute Tox. 2, H330
			Acute Tox. 2, H310

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. Please see section 16 for the full text of any H statements referred to in this section

Specific Concentration Limits

Ingredient	Identifier(s)	Specific Concentration Limits
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)	(EC-No.) 911-418-6	$(C \ge 0.6\%)$ Skin Corr. 1C, H314 (0.06% =< C < 0.6%) Skin Irrit. 2, H315 (C >= 0.6%) Eye Dam. 1, H318 (0.06% =< C < 0.6%) Eye Irrit. 2, H319 (C >= 0.0015%) Skin Sens. 1A, H317

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

Skin contact

If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

Eve contact

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

If swallowed

Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Material will not burn.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

5.3. Advice for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate the area with fresh air. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls

No engineering controls required.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Safety glasses with side shields.

Applicable Norms/Standards Use eye protection conforming to EN 166

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

. Information on basic physical and chemical prop	
Physical state	Liquid.
Colour	White
Odor	Moderate Odor, Sweet Odor
Odour threshold	No data available.
Melting point/freezing point	Not applicable.
Boiling point/boiling range	100 °C
Flammability	Not applicable.
Flammable Limits(LEL)	Not applicable.
Flammable Limits(UEL)	Not applicable.
Flash point	No flash point
Autoignition temperature	Not applicable.
Decomposition temperature	No data available.
pH	6.85 - 7.35
Kinematic Viscosity	No data available.
Water solubility	Complete
Solubility- non-water	No data available.
Partition coefficient: n-octanol/water	No data available.
Density	1 g/ml [Details:approximately]
Relative density	1 [<i>Ref Std</i> :WATER=1]
Relative Vapour Density	No data available.
Particle Characteristics	Not applicable.

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds
Evaporation rate
Molecular weight
Percent volatile

No data available. No data available. No data available. No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non reactive under normal use conditions

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

<u>Substance</u>

None known.

Condition Not specified.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

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

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

No known health effects.

Skin contact

Contact with the skin during product use is not expected to result in significant irritation.

Eye contact

Sprayed material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

No known health effects.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Dermal	Rat	LD50 > 2,000 mg/kg
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Ingestion	Rat	LD50 500-2000 mg/kg
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)	Dermal	Rabbit	LD50 87 mg/kg
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)	Inhalation- Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
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)	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value

Alcohols, C11-14-iso-, C13-rich, ethoxylated	Rabbit	Mild irritant
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and	Rabbit	Corrosive
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		

Serious Eye Damage/Irritation

Name	Species	Value
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Rabbit	Corrosive
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and	Rabbit	Corrosive
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		

Skin Sensitisation

Name	Species	Value
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Human	Not classified
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)	Human and	Sensitising
	animal	

Photosensitisation

Name	Species	Value
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)	Human and	Not sensitising
2 methyl 211 isound201 5 one [EC no. 220 255 0] (5.1)	animal	

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
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)	In vivo	Not mutagenic
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)	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
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)	Dermal	Mouse	Not carcinogenic
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)	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
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)	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
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)	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
reaction mass of: 5-chloro-2-methyl-4-	Ingestion	Not classified for development	Rat	NOAEL 15	during

isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-		mg/kg/day	organogenesis
239-6] (3:1)			

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not 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)	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

For the component/components, either no data is currently available or the data is not sufficient for classification.

Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Туре	Exposure	Test endpoint	Test result
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Fathead minnow	Analogous Compound	96 hours	LC50	4.5 mg/l
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Green algae	Analogous Compound	72 hours	EC50	0.5 mg/l
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Water flea	Analogous Compound	48 hours	EC50	0.5 mg/l
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Algae or other aquatic plants	Analogous Compound	72 hours	EC10	>0.1 mg/l
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	Activated sludge	Experimental	3 hours	NOEC	0.91 mg/l

reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3- and [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3- and [EC no. 220-239- 6] (3:1) reaction mass of: 5- choro-2-methyl-4- isothizorolin-3-one [EC no. 247-500-7]and 2- methyl-21+isothizorol- 3- and [EC no. 220-239- 5] (3:							
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no. 247-500-7]md 2- methyl-214-subiazol- 3-ore [IC no. 220-239- [G131] 5300-72-methyl-4 sorbiazol-a-sorb [C no. 247-5007]md 2- methyl-21+sorbiazol- 3-sorb [C no. 224-5007]md 2- methyl-21+sorbiazol- 3-sorb [C no. 247-5007]md 2- methyl-21+sorbiazol- 3-sorb [
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isohiazoin-3-one [EC oz 247-502-7)and 2- methyl-24+sohiazol- Sone [EC no. 220-399- (1.31) reaction mass of 5- shloro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- shloro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) reaction mass of 5- sohoro-2-methyl-4- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 220-399- (1.31) sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3-one [FC no. 247-500-7)and 2- sohiazoin-3-one [FC no. 247-500-7)and 2- methyl-24+sohiazol- 3- sohiazoin-3-one [FC no. 24		55965-84-9	Copepod	Experimental	48 hours	EC50	0.00 / mg/l
no. 247-500-7]and 2- methyl-2H-stoliazol- 3-one [EC no. 220-239- [013]) 55965-84-9 Diatom Experimental 72 hours ErC50 0.0199 mg/l nethyl-2H-stoliazol- methyl-2H-stoliazol- 50(13) 55965-84-9 Diatom Experimental 72 hours ErC50 0.0199 mg/l nethyl-2H-stoliazol- 50(13) 55965-84-9 Green algae Experimental 72 hours ErC50 0.027 mg/l nethyl-2H-stoliazol- 50(13) 55965-84-9 Green algae Experimental 96 hours LC50 0.19 mg/l nethyl-2H-stoliazol- 50(13) 55965-84-9 Rainbow trout Experimental 96 hours LC50 0.19 mg/l nethyl-2H-stoliazol- 50(13) 55965-84-9 Rainbow trout Experimental 96 hours LC50 0.3 mg/l no. 247-500-7 mg/l 55965-84-9 Sheepshead Mimow Nome Experimental 96 hours LC50 0.3 mg/l no. 247-500-7 mg/l 55965-84-9 Sheepshead Experimental 48 hours C50 0.099 mg/l no. 247-500-7 mg/l 55965-84-9 Matr flea Experimental 48 h							
nedhy-21-isohinzoh- on [EC no. 202-29:- (J.31) Experimental Experimental F2 hours EIC50 0.0199 mg/l 0.027 mg/l 0.0199 mg/l 0.027 mg/l 0.027 mg/l 0.027 mg/l 0.027 mg/l 0.019 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.029 mg/l 0.0199 mg/l 0.029 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.029 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.0199 mg/l 0.029 mg/l 0.019 mg/l 0.02 mg/l 0.02 mg/l 0.029 mg/l 0.029 mg/l 0.029 mg/l 0.029 mg/l 0.020 mg/l 0.029 mg/l 0.020 m							
3-one [EC to. 220-239- 6](3:1) 5 Sp65-84-9 Datom Experimental 72 hours ErC50 0.0199 mg/l isothizo-2-methyl-4- isothizoith-3-one [EC no. 247-300-7]nd 2- methyl-21+sothizoith- 3-one [EC to. 220-239- 6](3:1) Green algae Experimental 72 hours ErC50 0.027 mg/l isothizoith-3-one [EC no. 247-300-7]nd 2- methyl-21+sothizoith- 3-one [EC to. 220-239- 6](3:1) S5965-84-9 Green algae Experimental 72 hours ErC50 0.027 mg/l isothizoith-3-one [EC no. 247-300-7]nd 2- methyl-21+sothizoit- 3-one [EC to. 220-239- 6](3:1) S5965-84-9 Rainbow trout Experimental 96 hours LC50 0.19 mg/l isothizoith-3-one [EC no. 247-300-7]nd 2- methyl-21+sothizoit- 3-one [EC to. 220-239- 6](3:1) S5965-84-9 Sheenshead Minnow Experimental 96 hours LC50 0.3 mg/l isothizoith-3-one [EC no. 247-300-7]nd 2- methyl-21+sothizoit- 3-one [EC no. 220-239- 6](3:1) S5965-84-9 Water flea Experimental 48 hours EC50 0.099 mg/l isothizoith-3-one [EC no. 247-300-7]nd 2- methyl-21+sothizoit- 3-one [EC no. 220-239- 6](3:1) S5965-84-9 Diatom Experimental 48 hours NOEC 0.00049 mg/l isothizoith-3-one [EC no. 247-300-7]md 2- methyl-21+sothizoit- 3-one [EC no. 220-390- 6](3:1) S596							
61 (3:1)							
reaction mass of 5- biotro-2-methyl-14- siothiazolih-3-one [EC no. 247-500-7]and 2- methyl-21+sothiazol- 3-one [EC no. 202-39- 6](3:1) 							
chloro-2-methyl-4- softazolin-3-one [EC no. 247-500-7]and 2- methyl-24- softazolin-3-one [EC no. 247-500-7]and 2- methyl-24- softazolin	reaction mass of 5-	55965-84-9	Diatom	Experimental	72 hours	ErC50	0 0199 mg/l
isothizotin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizol- 3-one [EC no. 220-239- 61(3:1) reaction mass of 5- 61(3:1) sothizotin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizol- 3-one [EC no. 220-239- 61(3:1) reaction mass of 5- 61(3:1) sothizotin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizol- 3-one [EC no. 220-239- 61(3:1) reaction mass of 5- 61(3:1) sothizotin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizol- 3-one [EC no. 220-239- 61(3:1) reaction mass of 5- 61(3:1) sothizotin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizol- 3-one [EC no. 220-239- 61(3:1) reaction mass of 5- 61(3:1) reaction mass of 5- 61(3:1) reactio			Dimoni	Liperintental	, = 110 and	Lieve	0.0175
no. 247-500-7[and 2- methyl-2H-isothizaol- 3-one [EC no. 220-239- 6](3:1) reaction mass of 5- sole) [Cono: 20-239- 6](3:1) reaction mas							
nethyl-2H-ischinzol- 3-one [EC no. 20-239- 6] (3:1) reaction mass of 5- 6] (3:1) reaction mass							
3-one [EC no. 220-239- (bino-2-methyl-4- isothizzolin3-one [EC no. 247-500-7]and 2- methyl-21+isothizzol- 3-one [EC no. 220-239- 6] (3:1) Green algae Experimental 72 hours ErCS0 0.027 mg/t Anone [EC no. 220-239- 6] (3:1) Rainbow trout Experimental 96 hours LC50 0.19 mg/t Sothizzolin3-one [EC no. 247-500-7]and 2- methyl-241-isothizzol- 3-one [EC no. 220-239- 6] (3:1) Rainbow trout Experimental 96 hours LC50 0.19 mg/t Sothizzolin3-one [EC no. 247-500-7]and 2- methyl-241-siothizzol- 3-one [EC no. 220-239- 6] (3:1) Stys65-84-9 Sheepshead Experimental 96 hours LC50 0.3 mg/t Minnow Stys65-84-9 Sheepshead Experimental 96 hours LC50 0.3 mg/t Optimized and some [EC no. 247-500-7]and 2- methyl-241-siothizzol- 3-one [EC no. 220-239- 6] (3:1) Stys65-84-9 Water flea Experimental 48 hours EC50 0.099 mg/t Optimized and soft 3- 5 chloro-2-methyl-4- isothizzolin3-one [EC no. 247-500-7]and 2- methyl-241-siothizzol- 3-one [EC no. 220-239- 6] (3:1) Diatom Experimental 48 hours NOEC 0.00049 mg/t Stohizzol-anel [EC no. 220-239- 6] (3:1) Fathead minnow Experimental 36 days NOEL 0.02 mg/t Stohizzol-anel [
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	3-one [EC no. 220-239-						
ehloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolita-3-one [EC no. 247-500-7]and 2- methyl-241-softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazolitazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of: 5- chloro-2-methyl-4- softiazol- 3-one [EC no. 220-239- 6](3:1) reaction mass of	6] (3:1)						
isothizacinijone [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothizacini-3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothi	reaction mass of: 5-	55965-84-9	Green algae	Experimental	72 hours	ErC50	0.027 mg/l
no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazoli-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 240-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7jand 2- methyl-2H-isothiazol- 3-one [EC no. 247-500-7jand 2-	chloro-2-methyl-4-						
methy-21F-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-noe [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-one [EC no. 220-329- 6] (3:1) reaction mass of: 5- foldoro-2-methyl-4- isothiazolin-3-noe [EC no. 247-500-7] and 2- methyl-21F-isothiazol- 3-noe [EC no. 242-329- 6] (3:1) reaction mass of:	isothiazolin-3-one [EC						
3-one [EC no. 220-23- 6](3:1) 55965-84-9 Rainbow trout Experimental 96 hours LC50 0.19 mg/l reaction mass of: 5- 6](3:1) 55965-84-9 Rainbow trout Experimental 96 hours LC50 0.19 mg/l reaction mass of: 5- 6](3:1) 55965-84-9 Sheepshead Experimental 96 hours LC50 0.3 mg/l reaction mass of: 5- 6](3:1) 55965-84-9 Sheepshead Minnow Experimental 96 hours LC50 0.3 mg/l reaction mass of: 5- 6](3:1) 55965-84-9 Water flea Experimental 48 hours EC50 0.099 mg/l reaction mass of: 5- 6](3:1) 55965-84-9 Water flea Experimental 48 hours EC50 0.099 mg/l reaction mass of: 5- 6](3:1) 55965-84-9 Diatom Experimental 48 hours NOEC 0.00049 mg/l reaction mass of: 5- chloro-2-methyl-4- isothizzolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizzol- 3-one [EC no. 220-239- 6](3:1) Fathead minnow Experimental 48 hours NOEC 0.0049 mg/l reaction mass of: 5- chloro-2-methyl-4- isothizzolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothizzol- 3-one [EC no. 220-239- 6](3:1) Fathead minnow Experimental							
6] (3. i)							
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chloro-2-methyl-4- isothizzolia-3 nor [EC no. 247-500-7]and 2- methyl-2H-isothizzol- 3-one [EC no. 220-239- 6] (3: 1) reaction mass of: 5- chloro-2-methyl-4- isothizzolia-3-one [EC no. 247-300-7]and 2- methyl-2H-isothizzol- isothizzolia-3-one [EC no. 247-300-7]and 2- methyl-2H-isothizzol- isothizolia-3-one [EC no. 247-							
isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction 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- [3(31)] Treaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- a-ne [EC no. 220-239- [3(31)] Treaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- a-ne [EC no. 247-500-7]and 2- methyl-2H-isothiazol- a-ne [EC no. 240-239- [3(31)] Treaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- a-ne [EC no. 240-239- [3(31)] Treaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol- a- methyl-2H-isothiazol-		55965-84-9	Rainbow trout	Experimental	96 hours	LC50	0.19 mg/l
no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3: 1) 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) 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) 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) 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) 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) 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) 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) 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) 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- (3: 1) 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- (3: 1) 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- (3: 1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- sothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-methyl-2H-isothiazol- 3-ne [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-ne [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-ne [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-ne [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-ne [EC no. 247-500-7]and 2- ne [EC no. 247-50							
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3-one [EC no. 220-239- 6] (3:1) Sheepshead Minnow Experimental 96 hours LC50 0.3 mg/l chloro-2-methyl-4- isothiazoli-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) Water flea Experimental 48 hours EC50 0.099 mg/l 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) Diatom Experimental 48 hours NOEC 0.00049 mg/l 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) Diatom Experimental 48 hours NOEC 0.00049 mg/l 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 Diatom Experimental 48 hours NOEC 0.00049 mg/l 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 Fathead minnow Experimental 36 days NOEL 0.02 mg/l 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) Green algae Experimental 72 hours NOEC 0.004 mg/l 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)							
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no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) 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) 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) 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) 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) reaction mass of: 5- chloro-2-methyl-4- isothiazol- 3-one [EC no. 220-239- (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazol- 3- reaction mass of: 5- chloro-2-methyl-4- isothiazol- 3- reaction mass of: 5- chloro-2-methyl-4- isothiazol- 3- reaction mass o			Minnow				
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no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) 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) 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) 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) 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) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-							
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6] (3:1) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) 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) 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) reaction mass of: 5- softiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-	chloro-2-methyl-4-			1			
no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) 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) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- S5965-84-9 Green algae Experimental 72 hours NOEC 0.004 mg/l							
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6] (3:1) Image: Constraint of the second	3-one [EC no. 220-239-						
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) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-	6] (3:1)						
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) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-	reaction mass of: 5-	55965-84-9	Fathead minnow	Experimental	36 days	NOEL	0.02 mg/l
no. 247-500-7]and 2- methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-	chloro-2-methyl-4-						
methyl-2H-isothiazol- 3-one [EC no. 220-239- 6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-	isothiazolin-3-one [EC						
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6] (3:1) reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol- 55965-84-9 Green algae Experimental 72 hours NOEC 0.004 mg/l	methyl-2H-isothiazol-						
reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-							
chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-	6] (3:1)						
isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-		55965-84-9	Green algae	Experimental	72 hours	NOEC	0.004 mg/l
no. 247-500-7]and 2- methyl-2H-isothiazol-	chloro-2-methyl-4-						
methyl-2H-isothiazol-							
methyl-2H-isothiazol- 3-one [EC no. 220-239-							
3-one [EC no. 220-239-	methyl-2H-isothiazol-						
	13 one LEC no. 220 230	1	1				

6] (3:1)						
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	Water flea	Experimental	21 days	NOEC	0.004 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Alcohols, C11-14-iso-, C13- rich, ethoxylated	78330-21-9	Experimental Biodegradation	28 days	CO2 evolution	≥50 %CO2 evolution/THC O2 evolution	OECD 301B - Modified sturm or CO2
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	Analogous Compound Biodegradation	29 days	CO2 evolution		OECD 301B - Modified sturm or CO2
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	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	> 60 days (t 1/2)	

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Experimental BCF - Fish	54 hours	Bioaccumulation factor	232	
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)		Analogous Compound BCF - Fish	28 days	Bioaccumulation factor	54	OECD305-Bioconcentration
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)		Analogous Compound Bioconcentration		Log Kow	0.4	

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
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)		Experimental Mobility in Soil	Koc	10 l/kg	OECD 106 Adsp-Desb Batch Equil

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC -2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

EU waste code (product as sold)

200199

Other fractions not otherwise specified

SECTION 14: Transportation information

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 UN number or ID number	No data available.	No data available.	No data available.
14.2 UN proper shipping name	No data available.	No data available.	No data available.
14.3 Transport hazard class(es)	No data available.	No data available.	No data available.
14.4 Packing group	No data available.	No data available.	No data available.
14.5 Environmental hazards	No data available.	No data available.	No data available.
14.6 Special precautions for user	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.
14.7 Marine Transport in bulk according to IMO instruments	No data available.	No data available.	No data available.

Control Temperature	No data available.	No data available.	No data available.
Emergency Temperature	No data available.	No data available.	No data available.
ADR Classification Code	No data available.	No data available.	No data available.
IMDG Segregation Code	No data available.	No data available.	No data available.

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

SECTION 15: Regulatory information

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

Restrictions on the manufacture, placing on the market and use:

The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 55965-84-9

3-one [EC no. 247-500-7]and 2-methyl-2H-

isothiazol-3-one [EC no. 220-239-6] (3:1)

Global inventory status

Contact manufacturer for more information The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1 None

Seveso named dangerous substances, Annex 1, Part 2

Dangerous Substances	Identifier(s)	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
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	50	200

Regulation (EU) No 649/2012

No chemicals listed

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information

List of relevant H statements

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision information:

Section 02: CLP Classification Statements information was deleted.

Section 2: H phrase reference information was added.

Label: CLP Classification information was added.

Label: CLP Environmental Hazard Statements information was added.

Label: CLP Precautionary - Disposal information was added.

Section 3: Composition/ Information of ingredients table information was modified.

Section 6: Accidental release personal information information was modified.

Section 9: Flammability (solid, gas) information information was deleted.

Section 09: Flammability information information was added.

Section 11: Acute Toxicity table information was modified.

Section 11: Serious Eye Damage/Irritation Table information was modified.

Section 11: Skin Corrosion/Irritation Table information was modified.

Section 11: Skin Sensitization Table information was modified.

Section 11: Target Organs - Single Table information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12:Bioccumulative potential information information was modified.

Section 13: Standard Phrase Category Waste GHS information was modified.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

Meguiar's, Inc. Ireland SDSs are available at www.3M.com