

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Rubio Monocoat Sunprimer HWP

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

#### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Muylle Facon B.V.B.A. - Rubio Monocoat  
Ambachtenstraat 58  
B 8870 Izegem  
Belgium  
T +32 (0) 51 30 80 54, F +32 (0) 51 30 99 78  
[info@rubiomonocoat.com](mailto:info@rubiomonocoat.com), [www.rubiomonocoat.com](http://www.rubiomonocoat.com)

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145	13 11 26	
Belgium	Muylle Facon B.V.B.A. - Rubio Monocoat	Ambachtenstraat 58 8870 Izegem	T +32 (0) 51 30 80 54	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

CLP Signal word : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P273 - Avoid release to the environment.  
P501 - Dispose of contents and container to National regulations.  
EUH-statements : EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

EUH208 - Contains 3-iodo-2-propynyl butylcarbamate, 1,2-benzisothiazol-3(2H)-one (BIT).  
May produce an allergic reaction.

### Nordic countries regulation

#### Denmark

MAL code : 00-1

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
3-iodo-2-propynyl butylcarbamate (55406-53-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] substance with national workplace exposure limit(s) (BE, DK, FR, GB, SE, NO)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17	0 – 20	Carc. 2, H351
3-iodo-2-propynyl butylcarbamate	CAS-No.: 55406-53-6 EC-No.: 259-627-5 EC Index-No.: 616-212-00-7 REACH-no: 01-2120762115-60	< 0,26	Acute Tox. 3 (Inhalation), H331 (ATE=0,67 mg/l/4h) Skin Sens. 1, H317 STOT RE 1, H372 Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-benzisothiazol-3(2H)-one (BIT)	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	<0.036	Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1)) substance with national workplace exposure limit(s) (CH)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48	< 0,0007	Acute Tox. 2 (Inhalation), H330 (ATE=0,05 mg/l/4h) Acute Tox. 2 (Dermal), H310 (ATE=50 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=66 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one (BIT)	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	(0,036 ≤ C ≤ 100) Skin Sens. 1; H317
mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1))	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5 REACH-no: 01-2120764691-48	(0,0015 ≤ C ≤ 100) Skin Sens. 1A; H317 (0,06 ≤ C < 0,6) Eye Irrit. 2; H319 (0,06 ≤ C < 0,6) Skin Irrit. 2; H315 (0,6 ≤ C ≤ 100) Eye Dam. 1; H318 (0,6 ≤ C ≤ 100) Skin Corr. 1C; H314

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: under the recommended handling conditions: not required.
First-aid measures after skin contact	: If on skin : Wash with plenty of soap and water.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: In all cases of doubt, or when symptoms persist, seek medical attention.

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

Symptoms/effects	: Get medical advice/attention if you feel unwell.
Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Show this safety data sheet to the doctor or emergency department.

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## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Can't burn. Water mist, carbonic acid, foam or powder against surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not applicable (the mixture is not flammable).

#### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.  
Firefighting instructions : Prevent fire fighting water from entering the environment.  
Protection during firefighting : Self-contained breathing apparatus.  
Other information : Exercise caution when fighting any chemical fire.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Do not get in eyes, on skin, or on clothing. Use personal protective equipment - see point 8.  
Limit spread.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid discharge into the sewer - see point 12. Inform the local environmental authorities in the event of a release to the surroundings.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Liquid is absorbed with granules or similar. Collect in suitable containers. Rinse thoroughly with water. Further handling of spillage - see point 13.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See above (see point 6.1/6.2/6.3).

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Do not eat, drink or smoke while using this product.  
Precautions for safe handling : Avoid contact with the eyes and prolonged contact with the skin. After use, wash with plenty of soap and water.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

#### 7.3. Specific end use(s)

See application - point 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

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<b>mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9))</b>	
<b>Switzerland - Occupational Exposure Limits</b>	
Local name	5-Chlor-2-methyl-2,3-dihydro-isothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on
VME [mg/m³]	0,2 mg/m³
VLE [mg/m³]	0,4 mg/m³
Notation	Keine Schädigung der Leibesfrucht bei Einhaltung des MAK-Werts
<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b>	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Titane (dioxyde de) # Titaandioxide
Limit value [mg/m³]	10 mg/m³
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
<b>Denmark - Occupational Exposure Limits</b>	
Local name	Titandioxid, beregnet som Ti
Grænseværdi (8 timer) (mg/m³)	6 mg/m³
Grænseværdi (STEL) (mg/m³)	12 mg/m³
Remark	K
<b>France - Occupational Exposure Limits</b>	
VME [mg/m³]	10 mg/m³
<b>Sweden - Occupational Exposure Limits</b>	
Local name	Titandioxid
Nivågränsvärde (NVG) (mg/m³)	5 mg/m³
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
WEL TWA (mg/m³)	10 mg/m³ 4 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Norway - Occupational Exposure Limits</b>	
Local name	Titandioksid
Grenseverdier (AN) (mg/m³)	5 mg/m³
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
ACGIH TWA (mg/m³)	0,2 mg/m³ 2,5 mg/m³
Remark (ACGIH)	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2023

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

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### 8.1.4. DNEL and PNEC

3-iodo-2-propynyl butylcarbamate (55406-53-6)	
DNEL/DMEL (additional information)	
Additional information	No data available
PNEC (additional information)	
Additional information	No data available
2-methyl-2H-isothiazol-3-one (MIT) (2682-20-4)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0,043 mg/m³
Long-term - local effects, inhalation	0,021 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	0,053 mg/kg bw/day
Acute - local effects, inhalation	0,043 mg/m³
Long-term - systemic effects, oral	0,027 mg/kg bw/day
Long-term - local effects, inhalation	0,021 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	3,39 µg/l
PNEC aqua (marine water)	3,39 µg/l
PNEC (Soil)	
PNEC soil	0,047 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0,23 mg/l
mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0,04 mg/m³
Long-term - local effects, inhalation	0,02 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	0,11 mg/kg bw/day
Acute - local effects, inhalation	0,04 mg/m³
Long-term - systemic effects, oral	0,09 mg/kg bw/day
Long-term - local effects, inhalation	0,02 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	3,39 µg/l
PNEC aqua (marine water)	3,39 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,027 mg/kg dwt
PNEC sediment (marine water)	0,027 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,01 mg/kg dwt

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<b>mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)</b>	
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0,23 mg/l
<b>1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	0,966 mg/kg bw/day
Long-term - systemic effects, inhalation	6,81 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, inhalation	1,2 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0,345 mg/kg bw/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	4,03 µg/l
PNEC aqua (marine water)	0,403 µg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	49,9 µg/kg dw
PNEC sediment (marine water)	4,99 µg/kg dw
<b>PNEC (Soil)</b>	
PNEC soil	3 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	1,03 mg/l
<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - local effects, inhalation	1,25 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - local effects, inhalation	210 µg/m <sup>3</sup>

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

During spraying wear suitable respiratory equipment.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

<b>Eye protection</b>			
Type	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

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### 8.2.2.2. Skin protection

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Nitrile rubber (NBR)	5 (> 240 minutes)	>0,3		EN 374-2

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Usually not necessary. In case of insufficient ventilation or spraying: Use approved mask with particle filter P2 (EN149). The filters have a limited service life (must be changed). Read the manufacturer's instructions.

Respiratory protection			
Device	Filter type	Condition	Standard
Gas/Particle Filter	typeA/P2		EN 140

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Clear.
Appearance	: Liquid.
Odour	: characteristic (very slight).
Odour threshold	:
Melting point	: 0 °C
Freezing point	: 0 °C
Boiling point	: 100 °C
Flammability	:
Explosive properties	:
Oxidising properties	:
Explosive limits	: Not available
Lower explosive limit (LEL)	:
Upper explosive limit (UEL)	:
Flash point	: > 100 °C
Auto-ignition temperature	: > 200 °C
Decomposition temperature	:
pH	: 7 (<)
Viscosity, kinematic	:
Solubility	: Soluble in water.
Log Kow	: Not applicable - mixture (see point 12)
Vapour pressure	: Not available
Vapour pressure at 50°C	:
Density	: 1 g/cm³ (20°C)
Relative density	: 1
Relative vapour density at 20°C	:
Relative density of saturated gas/air mixture	:
Relative gas density	:
Particle characteristics	: Not applicable



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### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Avoid oxidizing agents as well as strong acids and bases.

### 10.6. Hazardous decomposition products

Under fire conditions, hazardous fumes will be present.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

#### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

LD50 oral rat	300 – 500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	0,67 mg/l

#### mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

LD50 oral rat	66 mg/kg bodyweight
LD50 oral	59 mg/kg bodyweight
LD50 dermal rat	> 141 mg/kg bodyweight
LD50 dermal	> 75 mg/kg bodyweight
LC50 Inhalation - Rat	0,17 mg/l air

#### 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

LD50 oral rat	> 300 – ≤ 2000 mg/kg bodyweight
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### 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

LD50 dermal	>
LC50 Inhalation - Rat (Dust/Mist)	100 mg/l

### titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ] (13463-67-7)

LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 5,09 mg/l

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7 (<)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7 (<)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

STOT-repeated exposure	Causes damage to organs (larynx) through prolonged or repeated exposure (if inhaled).
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

### Rubio Monocoat Sunprimer HWP

Viscosity, kinematic	
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## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

LC50 fish 1	0,2 mg/l
LC50 fish 2	85 mg/l
EC50 Daphnia 1	0,16 mg/l
EC50 Daphnia 2	60 mg/l
ErC50 (algae)	> 41,3 mg/l
Threshold limit algae 1	0,022 mg/l (72 h; Scenedesmus subspicatus)

### mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

LC50 fish 1	0,28 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 1	0,007 mg/l
EC50 other aquatic organisms 1	0,126 mg/l waterflea
EC50 other aquatic organisms 2	0,003 mg/l

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### mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

ErC50 (algae)	19,9 µg/l
Threshold limit algae 1	0,018 mg/l (72 h; Pseudokirchneriella subcapitata)

### 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

LC50 fish 1	2,18 mg/l
EC50 Daphnia 1	2,94 mg/l
EC50 other aquatic organisms 1	2,94 mg/l waterflea
EC50 other aquatic organisms 2	0,11 mg/l
ErC50 (algae)	150 µg/l

### titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h - Algae [1]	> 100 mg/l

## 12.2. Persistence and degradability

### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

Chemical oxygen demand (COD)	1,15 g O <sub>2</sub> /g substance
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### 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

Persistence and degradability	Readily biodegradable.
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## 12.3. Bioaccumulative potential

### Rubio Monocoat Sunprimer HWP

Log Kow	Not applicable - mixture (see point 12)
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### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

BCF fish 1	3,3 – 4,5
Log Pow	2,81

### mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

BCF fish 1	41 – 54
Log Pow	-0,32 – 0,7

### 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

BCF fish 1	6,62
Log Pow	-0,9 – 0,99

## 12.4. Mobility in soil

### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

Surface tension	69,1 mN/m
Log Koc	2,1

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### mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1) (55965-84-9)

Log Koc	0,81 – 1
Ecology - soil	Very mobile in the soils.

### 1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)

Surface tension	72,6 mN/m
Log Koc	0,97
Ecology - soil	Very mobile in the soils.

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Waste disposal according to Directive 2008/98/EC, covering waste and dangerous waste.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Waste disposal recommendations : Dispose of in accordance with relevant local regulations. Discharging into rivers and drains is forbidden.  
Additional information : Clean up even minor leaks or spills if possible without unnecessary risk.  
Ecology - waste materials : Avoid release to the environment.  
European List of Waste (LoW, EC 2000/532) : 16 10 01-  
H code : Z

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

### 14.6. Special precautions for user

**Overland transport**

No data available

**Transport by sea**

No data available

**Air transport**

No data available

**Inland waterway transport**

No data available

**Rail transport**

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(c)	Rubio Monocoat Sunprimer HWP ; mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
3(b)	mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC 220-239-6] (3:1) (C(M)IT/MIT (3:1)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

VOC content : 0 g/l

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Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

France	
Occupational diseases	
Code	Description
RG 65	Eczematiform lesions of allergic mechanism
RG 66	Occupational rhinitis and asthma

#### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

ABM category : B(2) - toxic for aquatic organisms  
SZW-list of carcinogenic substances : None of the components are listed  
SZW-list of mutagenic substances : None of the components are listed  
NON-exhaustive list of reprotoxic substances - : None of the components are listed  
Breastfeeding  
SZW-lijst van reprotoxische stoffen – : None of the components are listed  
Vruchtbaarheid  
NON-exhaustive list of reprotoxic substances - : None of the components are listed  
Development

#### Denmark

MAL code : 00-1  
Danish National Regulations : The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
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
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Carc. 2	Carcinogenicity, Category 2
EUH208	Contains 3-iodo-2-propynyl butylcarbamate, 1,2-benzisothiazol-3(2H)-one (BIT). May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.

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Full text of H- and EUH-statements:	
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
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.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

The classification complies with : ATP 18

Safety Data Sheet (SDS), EU

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.