

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

1.1. Product identifier

Product form : Mixture
Trade name : Rubio Monocoat Pre-Aging
UFI : JPA5-51CG-J00R-JVRP

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

1.2.1. Relevant identified uses

Intended for general public
Use of the substance/mixture : User application, Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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B 8870 Izegem
Belgium
T +32 (0) 51 30 80 54, F +32 (0) 51 30 99 78
info@rubiomonocoat.com, 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	
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]

Serious eye damage/eye irritation, Category 2 H319

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]

Hazard pictograms (CLP) :



GHS07

CLP Signal word : Warning
Hazard statements (CLP) : H319 - Causes serious eye irritation.

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Precautionary statements (CLP)	: P102 - Keep out of reach of children. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container in accordance with local regulations.
EUH-statements	: EUH208 - Contains 1,2-benzisothiazol-3(2H)-one (BIT), 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). May produce an allergic reaction.

2.3. Other hazards

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

Component	
2-(2-butoxyethoxy)ethanol (112-34-5)	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
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
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

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]
2-(2-butoxyethoxy)ethanol substance with national workplace exposure limit(s) (BE, FR, GB, NL, CH); substance with a Community workplace exposure limit	CAS-No.: 112-34-5 EC-No.: 203-961-6 EC Index-No.: 603-096-00-8 REACH-no: 01-2119475104-44	≤ 50	Eye Irrit. 2, H319
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	0,02	Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Acute Tox. 1 (Inhalation:dust,mist), H330 (ATE=0,005 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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	0,001485	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	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation persists, take medical advice.
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. Irritation persists.
First-aid measures after ingestion	: Do NOT induce vomiting. Call a physician immediately.

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

Symptoms/effects	: If you feel unwell, seek medical advice.
Symptoms/effects after inhalation	: Inhalation may cause: irritation, cough, short breathing. May cause headache and dizziness. May cause drowsiness or dizziness. Obtain medical attention if breathing difficulty persists.
Symptoms/effects after skin contact	: Remove all contaminated clothing and footwear. IF ON SKIN: Wash with plenty of soap and water. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Irritating to eyes. Rinse immediately with plenty of water for 15 minutes. Consult a doctor.
Symptoms/effects after ingestion	: Swallowing of this material presents health hazard. Seek a medical assistance, even if there are no immediate symptoms. May cause lung damage if swallowed.

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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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Heating may cause a fire or explosion. This product is flammable.
Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

- Precautionary measures fire : Evacuate area.
Firefighting instructions : Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Self-contained breathing apparatus. Complete protective clothing. Do not attempt to take action without suitable protective equipment.
Other information : Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate every possible source of ignition. No naked flames, sparks, and do not smoke.

6.1.1. For non-emergency personnel

- Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 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

- Protective equipment : Equip cleanup crew with proper protection. Do not attempt to take action without suitable protective equipment.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Notify authorities if liquid enters sewers or public waters. Collect spillage.

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. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Eliminate all ignition sources if safe to do so. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Use only non-sparking tools. Take precautionary measures against static discharge.

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Storage conditions	: Keep cool. Store in a well-ventilated place. Keep container tightly closed.
Incompatible products	: Oxidizing agent. Strong bases. Strong acids.
Storage area	: Store away from direct sunlight or other heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-(2-butoxyethoxy)ethanol (112-34-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOELV TWA (mg/m³)	67,5 mg/m³
IOELV TWA (ppm)	10 ppm
IOELV STEL (mg/m³)	101,2 mg/m³
IOELV STEL (ppm)	15 ppm
Belgium - Occupational Exposure Limits	
Local name	2-(2-Butoxyéthoxy)éthanol # 2-(2-Butoxyethoxy)ethanol
Limit value [mg/m³]	67,5 mg/m³
Limit value [ppm]	10 ppm
Short time value [mg/m³]	101,2 mg/m³
Short time value [ppm]	15 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
France - Occupational Exposure Limits	
VME [mg/m³]	67,5 mg/m³
VME [ppm]	10 ppm
VLE [mg/m³]	101,2 mg/m³
VLE [ppm]	15 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m³)	50 mg/m³
Grenswaarde TGG 8H (ppm)	7,4 ppm
Grenswaarde TGG 15MIN (mg/m³)	100 mg/m³
Grenswaarde TGG 15MIN (ppm)	15 ppm
United Kingdom - Occupational Exposure Limits	
Local name	2-(2-Butoxyethoxy)ethanol
WEL TWA (mg/m³)	67,5 mg/m³
WEL TWA (ppm)	10 ppm
WEL STEL (mg/m³)	101,2 mg/m³
WEL STEL (OEL STEL) [ppm]	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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2-(2-butoxyethoxy)ethanol (112-34-5)	
Switzerland - Occupational Exposure Limits	
Local name	Butyldiglykol
VME [mg/m³]	67 mg/m³
VME [ppm]	10 ppm
VLE [mg/m³]	101 mg/m³
VLE [ppm]	15 ppm
Notation	ssc: Keine Schädigung der Leibesfrucht bei Einhaltung des MAK-Werts
Remark	Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen
USA - ACGIH - Occupational Exposure Limits	
Local name	Diethylene glycol monobutyl ether
ACGIH TWA (ppm)	10 ppm
Remark (ACGIH)	TLV® Basis: Hematologic, liver & kidney eff
Regulatory reference	ACGIH 2023
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)	
Switzerland - Occupational Exposure Limits	
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
8.1.2. Recommended monitoring procedures	
No additional information available	
8.1.3. Air contaminants formed	
No additional information available	
8.1.4. DNEL and PNEC	
2-(2-butoxyethoxy)ethanol (112-34-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	101,2 mg/m³
Long-term - systemic effects, dermal	20 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	67,5 mg/m³
Long-term - local effects, inhalation	67,5 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	50,6 mg/m³
Long-term - systemic effects,oral	6,25 mg/kg bw/day
Long-term - systemic effects, inhalation	34 mg/m³
Long-term - systemic effects, dermal	10 mg/kg bodyweight/day
Long-term - local effects, inhalation	34 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l

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2-(2-butoxyethoxy)ethanol (112-34-5)	
PNEC aqua (marine water)	0,1 mg/l
PNEC aqua (intermittent, freshwater)	3,9 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	4 mg/kg dwt
PNEC sediment (marine water)	0,4 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,32 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	56 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	200 mg/l
1,2-benzisothiazol-3(2H)-one (BIT) (2634-33-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0,966 mg/kg bw/day
Long-term - systemic effects, inhalation	6,81 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	1,2 mg/m³
Long-term - systemic effects, dermal	0,345 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	4,03 µg/l
PNEC aqua (marine water)	0,403 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	49,9 µg/kg dw
PNEC sediment (marine water)	4,99 µg/kg dw
PNEC (Soil)	
PNEC soil	3 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1,03 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)	
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

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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)

PNEC (Water)

PNEC aqua (freshwater)	3,39 µg/l
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PNEC aqua (marine water)	3,39 µg/l
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PNEC (Sediment)

PNEC sediment (freshwater)	0,027 mg/kg dwt
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PNEC sediment (marine water)	0,027 mg/kg dwt
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PNEC (Soil)

PNEC soil	0,01 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	0,23 mg/l
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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

Personal protective equipment:

Avoid all unnecessary exposure. Protective goggles. Protective clothing. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile-rubber protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

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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	: Various colours.
Appearance	: Liquid.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: < 0 °C
Freezing point	: Not available
Boiling point	: > 200 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 100 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Log Kow	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: ≈ 0,98 kg/l
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating may cause a fire or explosion. Highly flammable liquid and vapour.

10.2. Chemical stability

Combustible liquid.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight. No flames, no sparks. Eliminate all sources of ignition. Avoid shock and friction.

10.5. Incompatible materials

Bases. Acids. oxidizing agents.

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10.6. Hazardous decomposition products

No additional information available

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)
Additional information	: Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis Disturbances of consciousness Effects of skin contact may include : redness

2-(2-butoxyethoxy)ethanol (112-34-5)

LD50 oral rat	> 2000 mg/kg
LD50 oral	2410 – 5530 mg/kg bodyweight
LD50 dermal rabbit	2764 mg/kg bodyweight

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

LD50 oral rat	> 300 – ≤ 2000 mg/kg bodyweight
LD50 dermal	>
LC50 Inhalation - Rat (Dust/Mist)	100 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

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Effects of skin contact may include : redness
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Causes serious eye irritation.
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)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Disturbances of consciousness

11.2. Information on other hazards

No additional information available

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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) : Not classified (Based on available data, the classification criteria are not met)

2-(2-butoxyethoxy)ethanol (112-34-5)

LC50 fish 1	1300 mg/l (96 h; <i>Lepomis macrochirus</i>)
EC50 Daphnia 1	4950 mg/l (48 h; <i>Daphnia magna</i>)
ErC50 (algae)	> 100 mg/l
Threshold limit algae 1	> 100 mg/l (96 h; <i>Desmodesmus subspicatus</i>)

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

LC50 fish 1	2,18 mg/l
EC50 Daphnia 1	2,94 mg/l
ErC50 (algae)	150 µg/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)

LC50 fish 1	0,28 mg/l (96 h; <i>Lepomis macrochirus</i>)
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
ErC50 (algae)	19,9 µg/l
Threshold limit algae 1	0,018 mg/l (72 h; <i>Pseudokirchneriella subcapitata</i>)

12.2. Persistence and degradability

2-(2-butoxyethoxy)ethanol (112-34-5)

Persistence and degradability	Readily biodegradable in water.
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12.3. Bioaccumulative potential

2-(2-butoxyethoxy)ethanol (112-34-5)

Log Pow	1
Bioaccumulative potential	Low bioaccumulation potential.

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

BCF fish 1	6,62
Log Pow	-0,9 – 0,99

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

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12.4. Mobility in soil

2-(2-butoxyethoxy)ethanol (112-34-5)

Surface tension	0,0069 N/m (20 °C)
Log Koc	0,642 – 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 soil.

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.

12.5. Results of PBT and vPvB assessment

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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

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations.
Additional information	: Flammable vapours may accumulate in the container. 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)	: 14 06 03* - other solvents and solvent mixtures
H code	: Auto detect - Auto detect

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
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 substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en
VOC content : 0 %
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

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France

Occupational diseases

Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

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(4) - low hazard 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

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 1 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 1
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
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
EUH208	Contains 1,2-benzisothiazol-3(2H)-one (BIT), 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). May produce an allergic reaction.
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.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

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Full text of H- and EUH-statements:	
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic 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

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.