Newmor Primer Sealer

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by UK REACH Regulations SI 2019/758
Issue date: 13/10/2023 Version: 1.0

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	Newmor Primer Sealer
Product code	:	5747
Product group	:	End product

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

1.2.1. Relevant identified uses

Use of the substance/mixture	:	Multi-Purpose Adhesive And Use As Primer Or Sealer.

1.2.2. Uses advised against

Restrictions on use	:	Not to be used for any other purpose than stated above

1.3. Details of the supplier of the safety data sheet

UK Supplier
Newmor Limited
Henfaes Lane
Welshpool
Powys
SY21 7BE
sales@newmor.com – www.newmor.com

1.4. Emergency telephone number

Emergency number	:	+44 (0)1938 552 671 8.30am – 5.30pm Monday to Friday NHS 111 - General Public (24 Hour service)

Also, in the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP)	:	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions.
EUH-statements	:	EUH208 - Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-methylisothiazol-3(2H)-one. May produce an allergic reaction. EUH210 - Safety data sheet available on request.
Extra Labelling Phrases	:	Contains biocidal products/preservatives to control microbial deterioration: 1,2-benzisothiazol-3(2H)-one, C(M)IT/MIT (3:1), 2-methylisothiazol-3(2H)-one, IPBC (risk of skin sensitisation), Bronopol (INN). EU/VOC limit for this product (Cat A/g) is 30g/L. This product contains max 30g/L VOC.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH 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 is 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]
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 EU REACH Registration-No.: 01-2120761540-60-xxxx	< 0.05	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 EU REACH Registration-No.: 01-2120764690-50-xxxx	< 0.0015	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 EUH071
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 EU REACH Registration-No.: 01-2120764691-48-xxxx	< 0.0015	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071

Specific concentration limits:

Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6	(0.05 ≤C ≤ 100) Skin Sens. 1, H317
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	(0.0015 ≤C ≤ 100) Skin Sens. 1A, H317
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5	(0.0015 ≤C ≤ 100) Skin Sens. 1A, H317 (0.06 ≤C < 0.6) Skin Irrit. 2, H315 (0.06 ≤C < 0.6) Eye Irrit. 2, H319 (0.6 ≤C ≤ 100) Skin Corr. 1C, H314 (0.6 ≤C ≤ 100) Eye Dam. 1, H318

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 : Non hazardous mixture.

First-aid measures after inhalation : Inhalation unlikely. Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Remove any contact lenses and open eyelids wide apart. Rinse opened eye for several minutes under running water. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. Drink plenty of water. Never give anything by mouth to an unconscious person.

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

Symptoms/effects : Under normal conditions of use, no adverse effects to health have been observed.

Symptoms/effects after inhalation : May cause respiratory irritation. Cough.

Symptoms/effects after skin contact : Repeated or prolonged skin contact may cause irritation. Repeated or prolonged skin contact can result in sensitisation in susceptible individuals.

Symptoms/effects after eye contact : Eye irritation. Redness, pain.

Symptoms/effects after ingestion : Gastrointestinal complaints.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : The product is non-combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Keep run-off water out of sewers and water sources. Containers close to fire should be removed or cooled with water.

Explosion hazard : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Hydrocarbons. Aldehydes. Soot. Gas may accumulate in confined areas. Harmful if inhaled.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Avoid breathing (dust, vapor, mist, gas).

Firefighting instructions : Cool laterally with water containers exposed to flames, even after the fire is extinguished.

Protection during firefighting : Wear fire/flame resistant/retardant clothing. In confined space use self-contained breathing apparatus. Full face piece respirator.

Other information : Keep run-off water out of sewers and water sources. Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Keep unnecessary and unprotected personnel away from the spillage.

Emergency procedures : Do not touch or walk on the spilled product.

Measures in case of dust release : Not applicable.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	For further information refer to section 8: "Exposure controls/personal protection". More detailed information: See section 11. For disposal of residues refer to section 13 : Disposal considerations" ".

6.2. Environmental precautions

As this product is only supplied in small quantities there is a low risk of any environmental damage.

6.3. Methods and material for containment and cleaning up

For containment	:	Contain and collect as any solid.
Methods for cleaning up	:	Scrape up material.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Read label before use. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Avoid inhalation of dust and contact with skin and eyes. In order to avoid inhalation of dust, all sanding must be done wearing adequate respirator.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Hand cream.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	No special storage required. Keep only in original container.Proetct from freezing
Storage temperature	:	5 – 25 °C

7.3. Specific end use(s)

Multi-Purpose Adhesive And Use As Primer Or Sealer (see Section 1.2). Keep containers closed when not in use. Keep out of reach of children. Apply "common sense" measures when handling this product. Always follow on pack instructions when using this product. Where possible avoid prolonged contact with the skin.
For use as an adhesive; To achieve good adhesion, ensure that the surfaces are sound, dry and clean. Join the bonding surfaces together while the PVA is still wet or tacky. Bartoline PVA should be used neat in woodworking applications. Joints should be clamped together to prevent movement until the bond is formed (allow 24 hours to achieve maximum strength). When applying plaster use neat and brush onto the surface prior to plastering. Apply while the PVA is still tacky. For small cement renders combine Bartoline PVA with an equal amount of water and add to the mortar mix. This will improve adhesion and tensile strength of the cured render. For large areas dilute 3 parts Bartoline PVA with 1 part water and brush onto the surface to be repaired. Apply the normal render mix before the emulsion dries.
For use as a primer or sealer; For sealing porous substrates (old concrete, plaster, plasterboard etc.) dilute 1 part Bartoline PVA with 4 parts water and brush onto surface. This will seal the surface in preparation for tiling or further coating.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.966 mg/kg bodyweight/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 bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	4.03 µg/l
PNEC aqua (marine water)	0.403 µg/l
PNEC aqua (intermittent, freshwater)	1.1 µg/l
PNEC aqua (intermittent, marine water)	110 ng/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

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (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 bodyweight/day
Acute - local effects, inhalation	0.04 mg/m³
Long-term - systemic effects,oral	0.09 mg/kg bodyweight/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 aqua (intermittent, freshwater)	3.39 µg/l
PNEC aqua (intermittent, 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

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
PNEC (STP)	
PNEC sewage treatment plant	0.23 mg/l

2-methylisothiazol-3(2H)-one (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 - local effects, inhalation	0.043 mg/m³
Acute - systemic effects, oral	0.053 mg/kg bodyweight/day
Long-term - local effects, inhalation	0.021 mg/m³
Long-term - systemic effects, oral	0.027 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	3.39 µg/l
PNEC aqua (marine water)	3.39 µg/l
PNEC aqua (intermittent, freshwater)	3.39 µg/l
PNEC aqua (intermittent, marine water)	3.39 µg/l
PNEC (Soil)	
PNEC soil	0.0047 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.23 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure adequate ventilation, especially in confined areas.

8.2.2. Personal protection equipment

Personal protective equipment:
Do not attempt to take action without suitable protective equipment. Appropriate engineering controls.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Chemical goggles or safety glasses

Eye protection			
Type	**Field of application**	**Characteristics**	**Standard**
Use splash goggles when eye contact due to splashing is possible	Droplet	With side shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:
Not required for normal conditions of use

Hand protection:
If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes. Gloves

Other skin protection

Materials for protective clothing:
Not required for normal conditions of use

8.2.2.3. Respiratory protection

Respiratory protection:
Where excessive dust may result, use approved respiratory protection equipment. In order to avoid inhalation of dust, all sanding must be done wearing adequate respirator. Dust production: dust mask with filter type P1

8.2.2.4. Thermal hazards

Thermal hazard protection:
Not applicable.

8.2.3. Environmental exposure controls

Other information:
Persons susceptible to allergic reactions should not handle this product. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	white.
Appearance	:	Liquidy paste
Odour	:	Barely perceptible.
Odour threshold	:	No information available.
Melting point/Freezing Point	:	Not available
Boiling point	:	100 °C
Flammability	:	Not applicable
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	Not applicable.
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	6 - 7
Viscosity, kinematic	:	Not available
Viscosity, dynamic	:	2800 - 3500 cP Spindle 5 Speed 20
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	No information available
Vapour pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20 °C	:	Not available
Particle characteristics	:	Not applicable
Explosive properties	:	Not considered explosive based on chemical structure and oxygen balance considerations.

Oxidising properties : Not considered oxidising based on chemical structure considerations.
Evaporation Rate : Not available

9.2. Other information

VOC content : 0.0378 %
Bulk density : Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Protect from freezing.

10.5. Incompatible materials

Avoid Strong acids and strong oxidants.

10.6. Hazardous decomposition products

In case of fire, irritating fumes come free.

SECTION 11: Toxicological information

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

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

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 dermal	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 oral	454 mg/kg bodyweight Animal: rat , Guideline: OECD 401 (Acute Oral Toxicity)
LC50 Inhalation (dust/mist)	0.25 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LD50 dermal	> 141 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 oral	66 mg/kg bodyweight Animal: rat , Guideline: OECD 401 (Acute Oral Toxicity)
LC50 Inhalation (dust/mist)	0.33 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

2-methylisothiazol-3(2H)-one (2682-20-4)	
LD50 oral	120 mg/kg bodyweight Animal: rat (females), Guideline: EPA 40 CFR

2-methylisothiazol-3(2H)-one (2682-20-4)	
LD50 dermal	242 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation (dust/mist)	0.11 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Based on available data, the classification criteria are not met
pH: 5.5 - 6.5

1,2-benzisothiazol-3(2H)-one (2634-33-5)
Causes Skin irritation. Human volunteers – at 0.8% & 0.16%, some skin irritation was seen, (CLH report, Feb 2021)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Causes severe skin burns at 1% (based on severity from mean scores and irreversible damage), Animal: Rabbit, Guideline: OECD Guideline 404	
pH	3.43 Temp.: 20 °C Concentration: 10 g/L

2-methylisothiazol-3(2H)-one (2682-20-4)
Causes severe skin burns at 97.8% (based on seveirty from mean scores and irreversble damage), Animal: Rabbit, Guideline: OECD Guideline 404

Serious eye damage/irritation : Based on available data, the classification criteria are not met
pH: 5.5 - 6.5

1,2-benzisothiazol-3(2H)-one (2634-33-5)
Causes serious eye damage (based on severe corrosive reactions observed following full volume application to eye), Animal: Rabbit, Guideline: EPA OPP 81-4 (Acute Eye Irritation)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Causes serious eye damage (based from corrosive classification)	
pH	3.43 Temp.: 20 °C Concentration: 10 g/L

2-methylisothiazol-3(2H)-one (2682-20-4)
Causes serious eye damage (based from corrosive classification)

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

1,2-benzisothiazol-3(2H)-one (2634-33-5)
May cause an allergic skin reaction. Positive Result, Concluded to be skin sensitising but EC3 value $\geq$ 2%, Animal: mouse, Guideline: OECD 429 (local lymph node assay) Positive Result, Signs of skin sensitisation were observed in 30% of animals at a concentration of 5%, Animal: Guinea Pig, Guideline: guinea pig maximization test Positive Result, Signs of skin sensitisation were observed at 64.45 µg/cm^2 and 90.6 µg/cm^2, Human Data, Guideline: Human Repeat Insult Patch Test (HIRPT)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)
May cause an allergic skin reaction Positive Result, Stimulation index $\geq$ 3 from concentrations 0 – 0.1%, EC3 value $\leq$ 2%, Animal: mouse, Guideline: OECD 429 (local lymph node assay) Positive Result, Signs of skin sensitisation were observed in 50% animals at a concentration of 0.71%, Animal: Guinea Pig, Guideline: guinea pig maximization test Positive Result, Signs of skin sensitisation were observed in 60% animals at a concentration of 0.01%, Animal: Guinea Pig, Guideline: Buehler Test

2-methylisothiazol-3(2H)-one (2682-20-4)
May cause an allergic skin reaction. Positive Result, Stimulation index = 6.65 at a concentration of 1.35%, EC3 value ≤ 2%, Animal: mouse, Guideline: OECD 429 (local lymph node assay) Positive Result, Signs of skin sensitisation were observed in 10/10 animals at a concentration of 0.1%, Animal: Guinea Pig, Guideline: guinea pig maximization test

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

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

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

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
NOAEL (animal/female, F1)	56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

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

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

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LOAEL (dermal, rat/rabbit, 90 days)	0.525 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)

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

11.2. Information on other hazards

11.2.1 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 is 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 %

11.2.2 Other Information

No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Based on available data, the classification criteria are not met

Hazardous to the aquatic environment, long–term (chronic) : Based on available data, the classification criteria are not met

Not rapidly degradable

2-methylisothiazol-3(2H)-one (2682-20-4)	
LC50 96h - Fish [1]	4.21 – 5.42 mg/l Test organisms (species): Oncorhynchus mykiss, Guideline: OECD Guideline 203
EC50 48h - Daphnia magna	0.998 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 202
EC50 120h – Algae	0.103 mg/l Test organisms (species): Raphidocelis subcapitata, Guideline: OECD Guideline 201
E_rC50 24h – Algae	0.103 mg/l Test organisms (species): seudokirchneriella subcapitata, Guideline: OECD Guideline 201
E_rC10 24h – Algae	0.103 mg/l Test organisms (species): seudokirchneriella subcapitata, Guideline: OECD Guideline 201
NOEC 33 d - Fish	2.1 mg/l Test organisms (species): Pimephales promelas, Guideline: OECD Guideline 210
NOEC 98 d - Fish	2.38 mg/l Test organisms (species): Pimephales promelas, Guideline: OECD Guideline 210

2-methylisothiazol-3(2H)-one (2682-20-4)	
NOEC 21 d – Daphnia magna	0.0442 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 211

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LC50 96h - Fish	0.22 mg/l Test organisms (species): Onchorhyncus mykiss, Guideline: OECD Guideline 203
EC50 48h – Daphnia magna	0.1 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 202
EC50 72h - Algae	0.048 mg/l Test organisms (species): Pseudokirchneriella subcapitata, Guideline: OECD Guideline 201
NOEC 28 d - Fish	0.098 mg/l Test organisms (species): Rainbow Trout, Guideline: OECD Guideline 215
NOEC 21 d – Daphnia magna	0.004 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 211
NOEC 72h – Algae	0.0012 mg/l Test organisms (species): Pseudokirchneriella subcapitata, Guideline: OECD Guideline 201
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 96h - Fish	2.2 mg/l Test organisms (species): Rainbow Trout, Guideline: OECD Guideline 203
EC50 48h – Daphnia magna	3.27 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 202
EC50 72h - Algae	0.11 mg/l Test organisms (species): Selenastrum capricornutum, Guideline: OECD Guideline 201
NOEC 21 d – Daphnia magna	1.2 mg/l Test organisms (species): Daphnia magna, Guideline: OECD Guideline 211

12.2. Persistence and degradability

No additional information available on mixture

2-methylisothiazol-3(2H)-one (2682-20-4)	
OECD Guideline 301B	48 – 56% degradation after 28d
OECD Guideline 301D	2-methylisothiazol-3(2H)-one was observed to be not readily biodegradable in 28 d
OECD Guideline 301A	12-17% degradation after 29 d
Committee for Risk Assessment - RAC (Opinion of 26 November 2021)	Not rapidly degradble

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
OECD Guideline 301C	< 1% degradation after 63 d
OECD Guideline 301B	23.8% degradation after 28 d
OECD Guideline 301D	4.94% degradation after 28 d
Committee for Risk Assessment - RAC (Opinion of 26 November 2021)	Not rapidly degradble

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)	> 60%
OECD 308 Simulation Biodegradation Aqu Sed System	1.82 – 1.92 d

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Committee for Risk Assessment - RAC (Opinion of 10. March 2016)	Not rapidly degradble

12.3. Bioaccumulative potential

No additional information available on mixture

2-methylisothiazol-3(2H)-one (2682-20-4)	
OECD 117 Log Kow Partition Coefficient	-0.32 (n-octanol/water)
Committee for Risk Assessment - RAC (Opinion of 26 November 2021)	Low potential for bioaccumulation

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
OECD 305 Bioconcentration factor	6.95 (Fish)
OECD 117 Log Kow Partition Coefficient	0.7 (n-octanol/water)
Committee for Risk Assessment - RAC (Opinion of 26 November 2021)	Low potential for bioaccumulation

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Bioconcentration factor BCF	3.16 (calculated)
OECD 117 Log Kow Partition Coefficient	≤ 0.71 (n-octanol/water)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

This mixture contains no substances considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. 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 is 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

No other adverse effects are known as of yet for this mixture or any substances contained in this mixture.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product is not classified as Hazardous Waste as it is supplied.

Waste generation should be avoided or minimised where possible. When handling waste, the safety precautions applying to handling of the product should be considered. Label the containers containing waste and remove from the area as soon as possible. Label the containers containing waste contaminated material and remove from the area as soon as possible.
Product disposal to sewer should be avoided, if possible, and only be carried out after treatment, and under relevant rules, e.g. Consent to Discharge. Where wastes undergo disposal, external recovery or treatment, it must comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. If wastes undergo incineration, they must be suitable for it at an approved facility.

Used packaging waste should be reused or recycled, if uncontaminated. Contaminated packaging should be cleaned on site, if appropriate facilities exist, including any relevant rules or permits, or offsite by a specialist provider. Contaminated packaging which cannot be safely cleaned must be treated in the same way as the product, and should only be disposed of as a last resort.

List of waste code is 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09. These codes have been assigned based on the actual composition of the product as supplied. Seek advice from a hazardous/non-hazardous waste specialist for waste classification

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 applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. UK-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

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

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the GB PIC list ((EU) No 649/2012 as amended by the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc) (EU Exit) Regulations 2019 and 2020 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (The Persistent Organic Pollutants Regulations 2007 As Amended by UK Regulations S.I 2018/1405, S.I 2019/1099, S.I 2019/1340, S.I 2020/1358 and S.I 2022/1293)

Ozone Depleting Substances Regulation

Contains no substance(s) listed on the Ozone Depletion list (The Ozone-Depleting Substances Regulations 2015 As Amended by UK Regulations S.I 2019/281, S.I 2019/583, S.I 2020/304, S.I. 2020/1616, S.I 2021/1397 and S.I 2023/336 on substances that deplete the ozone layer)

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012 (S.I 2012/1715)

VOC content : ≤ 30 g/L

Poisons and Explosive Precursors Regulations

Contains no substance(s) listed on the Poisons and Explosive Precursors Precursors list (The Poisons Act 1972 as amended by S.I 2015/968. The Control of Poisons and Explosives Precursors Regulations 2015 (S.I 2015/966) and The Control of Explosives Precursors and Poisons Regulations 2023 (S.I 2023/63) on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004 & 111/2005)

Contains no substance(s) listed on the Drug Precursors list ((EC) No 273/2004 and (EC) No 111/2005 as amended by the UK Regulations S.I 2019/742 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture.

SECTION 16: Other information

Indication of changes:

Due to change of classification database the revision numbering has been reset. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version.

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 (Dermal)	Acute toxicity (dermal), 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
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
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.

Full text of H- and EUH-statements:	
H310	Fatal in contact with skin.
H311	Toxic 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
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

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.