



**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

XP11-0000-05C  
 Version 5.2

AquaSeal EcoSilver  
 Revision date 13 Jan 2026

Print date 13 Jan 2026

**Description**

Wasserverd. Acrylat-Polyurethan-Kombi

**Hazardous ingredients**

CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
2634-33-5 220-120-9 613-088-00-6	<b>1,2-benzisothiazol-3(2H)-one</b> 01-2120761540-60-XXXX Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Skin Sens. 1A H317 / Eye Dam. 1 H318 / Acute Tox. 2 H330 / Aquatic Acute 1 H400 (M = 1,00) / Aquatic Chronic 1 H410 (M = 1,00) ATE (oral): 450 mg/kg bw	0,01 < 0,025
55965-84-9 611-341-5 613-167-00-5	<b>Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one</b> 01-2120764691-48-XXXX Acute Tox. 3 H301 / Acute Tox. 2 H310 / Skin Corr. 1C H314 / Skin Sens. 1A H317 / Eye Dam. 1 H318 / Acute Tox. 2 H330 / Aquatic Acute 1 H400 (M = 100,00) / Aquatic Chronic 1 H410 (M = 100,00) / EUH071 Specific concentration limit (SCL) Eye Irrit. 2 H319: >= 0,06 / Skin Sens. 1A H317: >= 0,0015 / Eye Dam. 1 H318: >= 0,60 / Skin Irrit. 2 H315: >= 0,06 / Skin Corr. 1C H314: >= 0,60	0,001 < 0,01

**Remark**

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

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**Following inhalation**

In case of irregular breathing or respiratory arrest provide artificial respiration. Remove casualty to fresh air and keep warm and at rest.

**Following skin contact**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

**Self-protection of the first aider**

First aider: Pay attention to self-protection!

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

**Symptoms**

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Powder, spray mist, (water)

**Unsuitable extinguishing media**

Strong water jet

**5.2 Special hazards arising from the substance or mixture**

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XP11-0000-05C  
Version 5.2

AquaSeal EcoSilver  
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Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3 Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2 Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

**6.3 Methods and material for containment and cleaning up**

**For containment**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

**For cleaning up**

Clean using cleansing agents. Do not use solvents.

**6.4 Reference to other sections**

Safe handling: see section 7

Personal protection equipment: refer to section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Advices on safe handling**

Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Advices on general occupational hygiene**

When using do not eat, drink or smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Storage class**

LGK12 - non-combustible liquids that cannot be assigned to any of the above storage classes

**Further information on storage conditions**

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Store in a well-ventilated and dry room at temperatures between 5 °C and 25 °C.

**7.3 Specific end use(s)**

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limit values**

No data available

**Biological limit values**

No data available

**DNEL worker**

CAS No.	Substance name	DNEL type	DNEL value
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**Safety Data Sheet**  
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XP11-0000-05C  
 Version 5.2

AquaSeal EcoSilver  
 Revision date 13 Jan 2026

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2634-33-5	1,2-benzisothiazol-3(2H)-one	Long-term – inhalation, systemic effects	6.81 mg/m <sup>3</sup>
2634-33-5	1,2-benzisothiazol-3(2H)-one	Long-term - dermal, systemic effects	0.966 mg/kg bw/day
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	Acute - inhalation, local effects	0.04 mg/m <sup>3</sup>
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	Long-term – inhalation, local effects	0.02 mg/m <sup>3</sup>

**DNEL Consumer**

CAS No.	Substance name	DNEL type	DNEL value
2634-33-5	1,2-benzisothiazol-3(2H)-one	Long-term – inhalation, systemic effects	1.2 mg/m <sup>3</sup>
2634-33-5	1,2-benzisothiazol-3(2H)-one	Long-term - dermal, systemic effects	0.345 mg/kg bw/day
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	Long-term – inhalation, local effects	0.02 mg/m <sup>3</sup>
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	Acute - inhalation, local effects	0.04 mg/m <sup>3</sup>
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	Long-term - oral, systemic effects	0.09 mg/kg bw/day

**PNEC**

CAS No.	Substance name	PNEC type	PNEC Value
2634-33-5	1,2-benzisothiazol-3(2H)-one	aquatic, intermittent release	1.1 µg/L
2634-33-5	1,2-benzisothiazol-3(2H)-one	aquatic, marine water	0.403 µg/L
2634-33-5	1,2-benzisothiazol-3(2H)-one	sewage treatment plant	1.03 mg/L
2634-33-5	1,2-benzisothiazol-3(2H)-one	sediment, freshwater	49.9 µg/kg sediment dw
2634-33-5	1,2-benzisothiazol-3(2H)-one	sediment, marine water	4.99 µg/kg sediment dw
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	aquatic, intermittent release	3.39 µg/L
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	aquatic, marine water	3.39 µg/L
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	sewage treatment plant	0.23 mg/L
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	sediment, freshwater	0.027 mg/kg sediment dw
55965-84-9	Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	sediment, marine water	0.027 mg/kg sediment dw

**8.2 Exposure controls**

Provide good ventilation. This can be achieved with local or room suction.

**Personal protection equipment**

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Hand protection**

Suitable material: NBR (Nitrile rubber)  
 Thickness of the glove material >= 0.4 mm  
 Breakthrough time >= 480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.  
 Recommended glove articles: EN ISO 374

**Skin protection**

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

**Safety Data Sheet**  
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according to Regulation (EU) 2020/878

XP11-0000-05C  
Version 5.2

AquaSeal EcoSilver  
Revision date 13 Jan 2026

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Eye glasses with side protection: EN 166

**Body protection**

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid	
Colour	whitish	
Odour	characteristic	
pH at 20.0 °C (100%)	7.5 - 8.5	DIN EN ISO 19396-1
Melting point/freezing point	not determined	
Initial boiling point and boiling range	100 °C	
	Source: Water	
Flash point	not applicable	
flammability	not applicable	
Lower explosion limit at 20°C	1.2 Vol-%	
	Source: 2-(2-ethoxyethoxy)ethanol	
Upper explosion limit at 20°C	11.6 Vol-%	
	Source: 2-(2-ethoxyethoxy)ethanol	
Vapour pressure at 20°C	20.661 mbar	
Relative vapour density	not applicable	
Density at 20 °C	1.03 kg/l	
Water solubility at 20°C	completely miscible	
Partition coefficient: n-octanol/water	see section 12	
Ignition temperature in °C	205 °C	
	Source: 2-(2-ethoxyethoxy)ethanol	
Decomposition temperature	not determined	
Viscosity at 20 °C	135 mm <sup>2</sup> /s	
particle characteristics	not applicable	

**9.2**

aromatic hydrocarbons	0.0 %
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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

**10.3 Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4 Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5 Incompatible materials**

No further relevant information available.

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**according to Regulation (EU) 2020/878**

XP11-0000-05C  
Version 5.2

AquaSeal EcoSilver  
Revision date 13 Jan 2026

Print date 13 Jan 2026

**10.6 Hazardous decomposition products**

Decomposition products in case of fire: see section 5.

**SECTION 11: Toxicological information**

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

**Acute toxicity**

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

**1,2-benzisothiazol-3(2H)-one**

LD50: oral (Rat): 450 mg/kg bw

**Skin corrosion/irritation**

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

**Serious eye damage/eye irritation**

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

**Respiratory or skin sensitisation**

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

**Overall assessment on CMR properties**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Practical experience/human evidence**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**SECTION 12: Ecological information**

**12.1 Toxicity**

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

**Acute (short-term) fish toxicity**

**1,2-benzisothiazol-3(2H)-one**

LC50: (Oncorhynchus mykiss (Rainbow trout)): 1.6 mg/L (96 h)

**Acute (short-term) toxicity to crustacea**

EC50 (Americamysis bahia): 989.3 µg/L (96 h)

**Chronic (long-term) toxicity to aquatic invertebrate**

**Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one**

NOEC (Daphnia magna (Big water flea)): 0.004 mg/L (21 d)

**12.2 Persistence and degradability**

**1,2-benzisothiazol-3(2H)-one**

Biodegradation = 90 %

**12.3 Bioaccumulative potential**

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XP11-0000-05C  
Version 5.2

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**1,2-benzisothiazol-3(2H)-one**

- \* = 0.7  
Partition coefficient: n-octanol/water = 0.81 (Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one)
- \* Partition coefficient: n-octanol/water = 0.64 (1,2-benzisothiazol-3(2H)-one)

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7 Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product/Packaging disposal**

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**Waste codes/waste designations according to EWC/AVV**

080112 - waste paint and varnish other than those mentioned in 08 01 11

**Other disposal recommendations**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

not applicable

**14.2 UN proper shipping name**

**Land transport (ADR/RID)**

No dangerous good in sense of these transport regulations.

**Sea transport (IMDG)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO-TI / IATA-DGR)**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

not applicable

**14.4 Packing group**

not applicable

**14.5 Environmental hazards**

Land transport (ADR/RID)	not applicable
Sea transport (IMDG)	not applicable

**14.6 Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**14.7 Maritime transport in bulk according to IMO instruments**

No transport as bulk according to IBC Code.

**14.8 Additional information**

**Land transport (ADR/RID)**

not applicable

**Sea transport (IMDG)**

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XP11-0000-05C  
Version 5.2

AquaSeal EcoSilver  
Revision date 13 Jan 2026

Print date 13 Jan 2026

not applicable

**Air transport (ICAO-TI / IATA-DGR)**

not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Authorisations and/or restrictions on use

##### Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no.: 03

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

##### Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC value: 83 g/l

##### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC limit value: 2004/42/IIA(i): 140 g/l (2010)

Maximum VOC content of the product in a ready to use condition: 88 g/L. This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

\* **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]**

##### Hazard categories / Named dangerous substances

This product is not classified according to Directive 2012/18/EU.

##### National regulations

Observe in addition any national regulations!

##### Substance/product listed in the following inventories

- \* Australian Inventory of Chemical Substances (AICS) - AU  
U.S. Toxic Substances Control Act (TSCA) - US

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### List of relevant hazard statements and/or precautionary statements from sections 2 to 15

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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

### Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

not applicable

### Key literature references and sources for data

Data arise from reference works and literature.

### Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
OEL: Occupational Exposure Limit Value  
BLV: Biological limit values  
CAS: Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging  
CMR: Carcinogenic, Mutagenic and Reprotoxic

**Safety Data Sheet**  
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XP11-0000-05C  
Version 5.2

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DIN: German Institute for Standardization / German industrial standard  
DNEL: Derived No-Effect Level  
EAKV: European Waste Catalogue Directive  
EC: Effective Concentration  
EC: European Community  
EN: European Standard  
EU/EEA: European Economic Area  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG Code: International Maritime Code for Dangerous Goods  
ISO: International Organization for Standardization  
LC: Lethal Concentration  
LD: Lethal Dose  
:  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OECD: Organisation for Economic Cooperation and Development  
PBT: persistent, bioaccumulative, toxic  
PNEC: Predicted No Effect Concentration  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
UN: United Nations  
VOC: Volatile Organic Compounds  
vPvB: very persistent and very bioaccumulative

**Indication of changes**

\* Data changed compared with the previous version.