

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Version: 1
Issue date: 22.07.2022

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

1.1. Product identifier

Trade name: Controll Topseal
UFI: X300-T08C-N00M-GYT6

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

Relevant identified uses: Concrete and masonry impregnation

1.3. Details of the supplier of the safety data sheet

Betongtett AS
Storebotn 13 D
5309 Klepppestø
Norway
Contact person: Roy Eide
E-mail: roy@betongtett.no
Tel.: (+47) 46 17 17 00
www.betongtett.no

1.4. Emergency telephone number

Denmark: Danish Poison Center (Giftlinjen) +45 8212 1212
Spain: National Emergency Telephone Number of Spanish Poison Centre +34 91 562 04 20
Sweden: 112 - ask for Poisons Information

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2; H315
Skin Sens. 1; H317

Full text of H-statements: see section 16.

Adverse physicochemical, human health and environmental effects:

Causes skin irritation. May cause an allergic skin reaction.

2.2. Label elements



Signal word (CLP): WARNING
Hazardous ingredients: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1); 1,2-benzisothiazol-3(2H)-one
Hazard statements (CLP): H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
Precautionary statements: P102 - Keep out of reach of children.

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P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P501 - Dispose of contents/container to an approved waste disposal facility.

2.3. Other hazards

PBT / vPvB: This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII.
Endocrine disrupting properties: The mixture does not contain endocrine disruptors above 0.1%, according to (EU) 2017/2100 or (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	Content	Classification
Triethoxyoctylsilane	CAS-no. 2943-75-1 EC-no. - REACH-no. 01-2119972313-39	10 - 15 %	Skin Irrit. 2; H315
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. 611-341-5 Index no. 613-167-00-5	< 0.0025 %	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 Aquatic Chronic 1; H410
1,2-benzisothiazol-3(2H)-one	CAS-no. 2634-33-5 EC-no. 220-120-9 Index no. 613-088-00-6	0.005 – 0.010 %	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411

Specific concentration limits: CAS-no. 55965-84-9: Eye Dam. 1: $C \geq 0.6 \%$
Eye Irrit. 2; H319: $0.06 \% \leq C < 0.6 \%$
Skin Corr. 1C: $C \geq 0.6 \%$
Skin Irrit. 2; H315: $0.06 \% \leq C < 0.6 \%$
Skin Sens. 1A: $C \geq 0.0015 \%$
M=100, M(Chronic)=100

Comments: CAS-no. 2634-33-5: Skin Sens. 1; H317: $C \geq 0.05 \%$
Full text of H-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: In case of doubt or persistent symptoms, always consult a physician.
In case of inhalation: Remove person to fresh air and keep comfortable for breathing.
In case of skin contact: Rinse with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.
In case of contact with eyes: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.
In case of ingestion: Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Seek medical attention if case of discomfort.

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

In case of inhalation:	No information available
In case of skin contact:	Causes skin irritation. May cause an allergic skin reaction
In case of contact with eyes:	May cause slight irritation.
In case of ingestion:	No information available

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

Other information:	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

Fire hazard:	Not classified as flammable.
Hazardous decomposition products in case of fire:	May include, but not limited to: Carbon oxides (CO, CO ₂). Silica. Formaldehyde.

5.3. Advice for firefighters

Precautionary measures fire:	Use water spray to cool containers.
Protection during firefighting:	Wear a self-contained breathing apparatus (SCBA) and appropriate personal protective equipment (PPE).
Other information:	Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:	Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist. Use personal protective equipment as required. Refer to section 8. Evacuate unnecessary personnel.
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6.2. Environmental precautions

Prevent spillage to sewer, waterway or ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:	Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Shovel into suitable and closed container for disposal. Flush area with plenty of water.
Other information:	Dispose of materials or solid residues at an authorized site. Refer to section 13.

6.4. Reference to other sections

For further information refer to section 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation. Avoid contact with skin and eyes. Do not breathe mist. Use protective equipment as referred to in section 8.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store dry and cool in a tightly closed original container. Provide adequate ventilation. Protect from heat and sunlight.

Incompatible materials: Strong oxidizing agents.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limit: Contains no substances with occupational exposure limits.

DNEL/PNEC:

Triethoxyoctylsilane (CAS-no. 2943-75-1)

Group	Route of exposure	DNEL
Worker	Inhalation, acute, systematic effect	16 mg/m ³
Worker	Dermal, acute, systematic effect	9 mg/kg bw/day
Consumer	Oral, acute, systematic effect	6.2 mg/kg bw/day
Consumer	Inhalation, acute, local effect	5.4 mg/m ³
Consumer	Dermal, acute, systematic effect	6.2 mg/kg bw/day
Route of exposure		PNEC
Freshwater		0.006 mg/l
Freshwater sediment		2.34 mg/kg dry weight
Marine water		0.001 mg/l
Marine water sediment		0.23 mg/kg dry weight
Soil		0.09 mg/kg dry weight

8.2. Exposure controls

Appropriate engineering controls:

Appropriate engineering controls: Ensure good ventilation of the workstation. Personal protective equipment must be chosen on the basis of the risk assessment. The supplier of the protective equipment can assist in the evaluation and choice of the equipment. Personal protective equipment must be CE marked.

Eye / face protection:

Eye protection: If risk of exposure: Tightly fitting safety goggles.

Standard: EN 166

Hand protection:

Suitable gloves: Wear suitable chemical resistant gloves. Eg. butyl.

Breakthrough time: No information available.

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Glove thickness: No information available.
Standard: EN 374

Skin protection:

Suitable protective clothing: Wear suitable protective clothing.

Respiratory protection:

Respiratory protection: Normally not necessary.
If risk of inhalation of vapours/mist, use respiratory protection with filter ABEK/P2.
Standard: EN 14387

Environmental exposure controls:

Avoid release to the environment.

Other information:

Eye wash station should be available at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Faint white
Odour:	Slight soap
Melting point / freezing point:	0 °C
Boiling point:	100 °C
Flammability:	Not flammable
Explosion limit:	Not relevant
Flash point:	Not relevant
Auto-ignition temperature:	Not relevant
Decomposition temperature:	No data available
pH:	8
Kinematic viscosity:	< 30 mPas (dynamic)
Solubility:	Soluble in water
Partition coefficient n-octanol/water (Log Pow):	No data available
Vapour pressure:	No data available
Density / relative density:	1.02 g/cm ³
Relative vapour density:	No data available
Particle characteristics:	Not relevant

9.2. Other information

Comments: No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

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10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. See also section 5.2.

SECTION 11: Toxicological information

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

Acute toxicity

Assessment of classification, acute toxicity (oral), Not classified. (Based on available data, the classification criteria are not met.)

Assessment of classification, acute toxicity (dermal): Not classified. (Based on available data, the classification criteria are not met.)

Assessment of classification, acute toxicity (inhalation): Not classified. (Based on available data, the classification criteria are not met.)

Components:

Triethoxyoctylsilane (CAS-no. 2943-75-1)	
LD50 oral, rat	≥ 5110 mg/kg
LD50 dermal, rabbit	6730 mg/kg
LC50 inhalation, rat	> 22 ppm

Skin corrosion / irritation

Assessment of classification: Causes skin irritation.

Serious eye damage/ irritation

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

Respiratory or skin sensitisation

Assessment of classification: May cause an allergic skin reaction

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT – single exposure

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

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STOT – repeated exposure

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

Aspiration hazard

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

Symptoms of exposure

In case of skin contact: Causes skin irritation. May cause an allergic skin reaction

In case of contact with eyes: May cause slight irritation.

11.2 Information on other hazards

Endocrine disruptors properties: Not relevant.

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.)

Components:

Triethoxyoctylsilane (CAS-no. 2943-75-1)	
LC50 fish (96h)	> 0.055 mg/l, Oncorhynchus mykiss
EC50 daphnia (48h)	0.049 mg/l, Daphnia magna
EC50 algae (72h)	> 0.13 mg/l, Pseudokirchnerella subcapitata
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)	
LC50 fish (96h)	0.22 mg/l
NOEC fish (28d)	0.098 mg/l
LC50 daphnia (48h)	0.12 mg/l
NOEC daphnia (21d)	0.004 mg/l
EC50 algae (72h)	0.048 mg/l
NOEC algae (72h)	0.0012 mg/l
1,2-benzisothiazol-3(2H)-one (CAS-no. 2634-33-5)	
EC50 algae (72h)	0.11 mg/l
NOEC algae (72h)	0.0403 mg/l
EC10 algae (72h)	0.040 mg/l
EC50 daphnia (48h)	3.27 mg/l
NOEC daphnia (21d)	1.20 mg/l

12.2. Persistence and degradability

Persistence and degradability: No available information on product.

12.3. Bioaccumulative potential

Bioaccumulative potential: No available information on product.

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12.4. Mobility in soil

Mobility: No available information on product.

12.5. Results of PBT and vPvB assessment

PBT / vPvB: This substance/mixture does not meet the PBT / vPvB criteria of REACH regulation, annex XIII.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: Not relevant.

12.7. Other adverse effects

Additional information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Hazardous waste. Remove to an authorized waste treatment plant.

Additional information: The stated LoW code is indicative and must be considered in relation to the actual condition of the chemical. The final code must be determined by the user, based on the actual use of the chemical.

European List of Waste (LoW) code: *08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances.

SECTION 14: Transport information

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not regulated.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

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SECTION 15: Regulatory information

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

Regulations: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments.
Regulation (EU) No 1357/2014 on waste and repealing certain Directives

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification and method used for the classification of the mixture according to Regulation (EC) 1272/2008 (CLP):

H315, H317 Calculation method

Abbreviations and acronyms:

EC50 The effective concentration of substance that causes 50% of the maximum response.
LC50 Median lethal concentration.
LD50 Median lethal dose.
NOEC No-Observed Effect Concentration
PBT Persistent Bioaccumulative Toxic
vPvB Very Persistent and Very Bioaccumulative

Full text of H-statements:

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.
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.
H411 Toxic to aquatic life with long lasting effects.

Data sources: Safety Data Sheet from the supplier/manufacturer.

Prepared by: SDS-Chemie, Bente Frogner

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.