

Safety data sheet

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

1.1. Product identifier

Trade name: Cembrit Transparent-Cover-Solid Edge Sealer.

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

Recommended uses: Impregnation agents.

1.3. Details of the supplier of the safety data sheet

Supplier: Cembrit Holding A/S
Sohngårdsholmsvej 2
9000 Aalborg
Denmark
Tel: +45 99372222
Fax: +45 98120075
Email: info@cembrit.dk

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification (Regulation (EC) No 1272/2008): Skin Irrit. 2;H315 Skin Sens. 1; H317

Please see section 16 for the full text of H-phrases.

Most serious harmful effects: Causes skin irritation. May cause an allergic skin reaction.
The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

2.2. Label elements



Signal word: Warning

Contains: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

H-phrases: Causes skin irritation.(H315)
May cause an allergic skin reaction.(H317)

P-phrases: Wash skin thoroughly after handling.(P264-A)
Wear protective gloves.(P280-h)

IF ON SKIN: Wash with plenty of soap and water.(P302/352-b)
If skin irritation or rash occurs: Get medical advice/attention.(P333/313)

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	-	Silicium compound	Skin Irrit. 2;H315	<30	.
.	-
.	2943-75-1-B	Triethoxyoctylsilane	Skin Irrit. 2; H315	<15	.
.	220-941-2
.	111-76-2-a	2-butoxyethanol	Acute Tox. 4;H332 Acute Tox. 4;H312	<8	.
.	203-905-0	.	Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	.	.
.	-
.	9051-57-4-a	Poly(oxy-1,2-ethandiyl),a-sulfo-w-(nonylphenoxy)- ammoniumsalt	Eye Irrit. 2;H319 Skin Irrit. 2;H315	<1,25	.
.	-
.	1336-21-6-a	Ammonia	Skin Corr. 1B;H314 Aquatic Acute 1;H400	<0,15	.
.	215-647-6
.	55965-84-9	Reaction mass of:	Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox.	<0,002	.
.	-	5-chloro-2-methyl-4-isothiazolin-3-one	3;H301 Skin Corr. 1B;H314 Skin Sens. 1;H317	.	.
.	.	[EC no. 247-500-7] and 2-methyl-2H	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	.	.
.	.	-isothiazol-3-one [EC no. 220-239-6]	.	.	.
.	.	(3:1)	.	.	.

Please see section 16 for the full text of H-phrases.

Other information: Any letters after the CAS number refer to individual data sets.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin: Remove contaminated clothing, watch and jewellery. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of discomfort.

Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Other information: When obtaining medical advice, show the safety data sheet or label.

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

Irritating to skin – may cause reddening. May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing. Can be absorbed through the skin causing symptoms such as dizziness and headache. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not directly flammable. Choose extinguishing agents based on the surrounding fire. Extinguish with powder, foam or water mist.

Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Wear safety goggles if there is a risk of eye splash.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product should be used under well-ventilated conditions and preferably under process ventilation. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Do not store with the following: Alkalis/ Acids. Storage temperature: 1-40°C.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
2-butoxyethanol	25 (8h), 50 (15m) ppm 123 (8h), 246 (15m) mg/m ³	Sk, Bmgv
Ammonia	20 (8h), 50 (15m) ppm (EU) 14 (8h), 36 (15m) mg/m ³	-

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Comments: Sk: Can be absorbed through skin
BMGV: Biological monitoring may be appropriate and Biological Monitoring Guidance Value is listed in Table 3 (Occupational Exposure Limits)

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves. Type of material: Neoprene rubber. Gloves must conform to EN 374. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection: In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	White
Odour:	No data
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	8-9
Melting point/freezing point:	No data
Initial boiling point and boiling range:	100 °C
Flash point:	No data
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	2 hPa
Vapour density:	No data
Relative density:	1,0-1,1
Solubility:	Solubility in water: Highly soluble
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	40 mPa.s (dynamic)
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Alkalis/ Acids.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Acrylic monomers.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Alkalis/ Acids.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

2943-75-1-B: Rat: LD50 = >5110 mg/kg

111-76-2-a: Rat: LD50 = 1950 mg/kg

1336-21-6-a: Rat: LD50 = 350 mg/kg

Acute toxicity - dermal:

Can be absorbed through the skin causing symptoms such as dizziness and headache. The product does not have to be classified. Based on existing data, the classification criteria are

	deemed not to have been met. 111-76-2-a: Rat: LD50 = 2270 mg/kg
Acute toxicity - inhalation:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 111-76-2-a: Rat, , 4h: LC50 = 2,39 mg/l 1336-21-6-a: LC50 = 3,31 mg/l
Skin corrosion/irritation:	Irritating to skin – may cause reddening. 111-76-2-a: Non-irritating
Serious eye damage/eye irritation:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 1336-21-6-a: Rabbit: Irritating
Respiratory sensitisation or skin sensitisation:	May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing. 111-76-2-a: Guinea pig: Non-sensitising
Germ cell mutagenicity:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 111-76-2-a: Negative (Ames test)
Carcinogenic properties:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 111-76-2-a: IARC group 3
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system. The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

	The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Acute toxicity:	111-76-2-a: Fish: : 24hLC50 = 1700 mg/l Crustacea: Daphnia magna: 24hEC50 = 1698-1940

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 05 07*discarded inorganic chemicals consisting of or containing dangerous substances

Absorbent/cloth contaminated with the product:
EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

14.1. UN number

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14.2. UN proper shipping name

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14.3. Transport hazard class(es)

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14.4. Packing group

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14.5. Environmental hazards

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14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

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

Special provisions: Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 1, 2, 3, 5, 16

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

	STOT: Specific Target Organ Toxicity
Classification method:	Calculation based on the hazards of the known components.
H-phrases:	<p>H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.</p>
Training:	A thorough knowledge of this safety data sheet should be a prerequisite condition.
Other information:	This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

MPE/ Bureau Veritas HSE Denmark A/S Birkemosevej 7, DK-6000 Kolding T: +45 75508811, F: +45 75508810, E-mail: infohse@dk.bureauveritas.com, Web: www.hse.bureauveritas.dk (Made in Toxido®) UK