



SAFETY DATA SHEET CONTROLL INNERSEAL

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

1.1. Product identifier

Product name CONTROLL INNERSEAL

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

Applications Concrete sealer.

1.3. Details of the supplier of the safety data sheet

Supplier BETONGTETT AS
STOREBOTN 13
N-5309 KLEPPESTØ
Tel: +47 56 15 93 12
www.betongtett.no

Contact person Roy Eide (e-mail: roy@betongtett.no)

1.4. Emergency telephone number

Emergency telephone number 112 # The UK National Poisons Emergency number: +44 870 600 6266 WEB:
<http://www.toxbase.org>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to directives -
67/548/EEC, 99/45/EC & 2001/58/EC
(DSD/DPD)

Classification according to directive
1272/2008 (CLP)

Hazard Potassium / sodium silicate solution with a mole ratio > 3.2. According to tests conducted by CEFIC, potassium / sodium silicate solutions having a mol ratio > 3.2 and a solids <40% by weight, is not subjected to labelling.

2.2. Label elements

CLP

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P311 Call a POISON CENTER or doctor/physician.

2.3. Other hazards

Meets the criteria for vPvB No.

Meets the criteria for PBT No.

Other hazards which do not contribute to classification No known risks.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
water	231-791-2	7732-18-5	60-100 %	-	
sodium silicate solution, mol ratio > 3,2, solids < 40 %	215-687-4	1344-09-8	10-40 %	-	
potassium silicate solution, mol ratio > 3,2, solids < 40 %	215-199-1	1312-76-1	5-15 %	-	

CLP

Name	REACH No.	Content	Symbol	Classification	CAS No.
water	N/A	60-100 %			7732-18-5
sodium silicate solution, mol ratio > 3,2, solids < 40 %	01-21194487 25-31-xxxx	10-40 %			1344-09-8
potassium silicate solution, mol ratio > 3,2, solids < 40 %	01-21194568 88-17-xxxx	5-15 %			1312-76-1

Composition comments Potassium / sodium silicate solution with a mole ratio > 3.2. According to tests conducted by CEFIC, potassium / sodium silicate solutions having a mol ratio > 3.2 and a solids <40% by weight, is not subjected to labelling.

Section 16 contains detailed classification phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

General If symptoms persist or in doubt, seek medical attention.

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

Specific first aid treatment No specific first aid measures noted.

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

Inhalation Move the exposed person to fresh air at once.

Ingestion Drink plenty of water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Do not give victim anything to drink if he is unconscious. Get medical attention if any discomfort continues.

Skin Remove immediately contaminated clothing and shoes. Wash the skin immediately with soap and water.

Eyes Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Non-flammable.

5.3. Advice for firefighters

Protective measures in fire Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal

decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection Wear appropriate personal protective equipment - see Section 8.

6.2. Environmental precautions

Environmental protection Dyke to prevent entering any sewer or waterway.

6.3. Methods and material for containment and cleaning up

Spill cleanup methods Absorb in vermiculite, dry sand or earth and place into containers. Collect in containers and seal securely.

6.4. Reference to other sections

See section 13 for waste handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear appropriate personal protective equipment - see Section 8. Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store above freezing. Store separated from: Strong acids. Lead. Tin. Zinc. Aluminium. Fluids must not be stored in containers of glass or galvanized materials. Use containers made of: Steel. Suitable plastic material.

7.3. Specific end use(s)

Specific use(s) Contact supplier for more information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredient comments No exposure limits noted for ingredient(s).

Protective equipment



Process conditions

Provide eyewash station.

Ventilation

Well ventilated area.

8.2. Exposure controls

Respirators

Respiratory protection not required. Standard EN 149.

Protective gloves

Gloves are recommended for prolonged use. Use protective gloves made of: Butyl rubber. Nitrile. Neoprene. Time of breakthrough is not known, change gloves regularly. Suitable glove must be chosen in consultation with the gloves supplier, giving information of the breakthrough time for the glove material. Standard EN 374.

Eye protection

If risk of splashing, wear safety goggles or face shield. Standard EN 166.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygienic work practices

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Use appropriate skin cream to prevent drying of skin.

Other exposure limits

Personal protective equipment should be selected according to the CEN standards and in cooperation with the supplier of personal protective equipment.

DNEL

No data.

PNEC No data.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Fluid.		
Colour	Colourless.		
Odour	Odourless or no characteristic odour.		
Solubility description	Miscible with water.		
Solubility value (g/100g H ₂ O 20°C)	35		
Boiling point (°C, interval)	> 100	Pressure	
Density (g/cm ³)	1,135	Temperature (°C)	20
pH-value, conc. solution	11,4		
Viscosity (interval)	1 - 5 cps	Temperature (°C)	20

9.2. Other information

Safety information Not known.

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactive groups.

10.2. Chemical stability

Stable when used at recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation Will not polymerise.

10.4. Conditions to avoid

No known risk factors.

10.5. Incompatible materials

Materials to avoid Acids. Aluminium, lead, zinc, tin or alloys of these metals.

10.6. Hazardous decomposition products

Hazardous decomp. products No hazardous decomposition products are emitted at recommended use and storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxic dose - LD 50:	2000 mg/kg (oral rat)
Sensitization	No allergic reaction is known.
Genotoxicity	No known heritable or mutagenic effects.
Carcinogenicity	No evidence of carcinogenic properties.
Reproduction toxicity	No known hazardous effects on reproduction, fertility or to the unborn child.
Inhalation	Inhalation of vapours/aerosols may cause irritation of respiratory passage.
Ingestion	May cause discomfort if swallowed.
Skin	May cause irritation.
Eyes	May cause irritation to eyes.
COMPONENT:	sodium silicate solution, mol ratio > 3,2, solids < 40 %
Toxic dose - LD50:	1960 mg/kg (oral rat)
Toxic dose - LD50 (skin):	>4640 mg/kg (skin rabbit)

SECTION 12: Ecological information

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l: 3185

EC 50, 48 Hrs, Daphnia, mg/l: 247

Ecotoxicity Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment. Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.

12.2. Persistence and degradability

The product is easily biodegradable.

12.3. Bioaccumulative potential

Unknown.

12.4. Mobility in soil

Mobility Unknown.

12.5. Results of PBT and vPvB assessment

PTB/vPvB Component(s) is not identified as a PBT or vPvB-substance.

12.6. Other adverse effects

No known information.

COMPONENT:

sodium silicate solution, mol ratio > 3,2, solids < 40 %

Ecotoxicology data

Acute toxicity. EC50 24 hours Daphnia 575 mg/l (Daphnia magna)

LC 50, 96 Hrs, Fish mg/l:

1800 (Gambusia affinis)

EC 50, 48 Hrs, Daphnia, mg/l:

494 (Daphnia magna)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General/cleaning Waste is classified as hazardous waste.

Disposal methods Dispose of in accordance with Local Authority requirements.

Waste class 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

Contaminated packaging The product packaging must be disposed of in compliance with the country specific regulations.

SECTION 14: Transport information

General No dangerous goods (ADR/RID, IMDG, IATA/ICAO)

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

TRANSPORT BY INLAND WATERWAYS (ADN):

14.4. Packing group

14.5. Environmental hazards

Transport by inland waterways notes Not applicable.

14.6. Special precautions for user

No particular precautions.

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

No IBC-code for bulk transport offshore (MARPOL).

SECTION 15: Regulatory information

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

EU directives EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

Other information Safety Data Sheet has been prepared using information provided by the manufacturer.

15.2. Chemical safety assessment

Chemical Safety Assessment Chemical Safety Report (CSR) has not been carried out for this product.

SECTION 16: Other information

Explanations to R-phrases in section 3

Explanations to classification in section

3

DSD/DPD

*** Information revised since the previous version of the SDS**

Issued by Essenticon AS, Leif Weldingsvei 18, N-3208 Sandefjord, Norway. E-mail: post@essenticon.no. Phone.: +47 33 42 34 50 - Fax: +47 33 42 34 59
www.essenticon.com

Date of issue 07.05.2014

Safety Data Sheet status CLP 03 ATP

Signature BH

Disclaimer The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.