



SAFETY DATA SHEET CONTROLL DEEPCLEAN

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

1.1. Product identifier

Product name CONTROLL DEEPCLEAN

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

Applications Degreaser.

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) C, R-35

Classification according to directive 1272/2008 (CLP) GHS05, Danger
Skin Corr. 1A: H314

2.2. Label elements

CLP

Hazard pictograms



Signal word	Danger
Hazard statements	Skin Corr. 1A: H314 Causes severe skin burns and eye damage.
Precautionary statements	P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.
Contains	potassium hydroxide
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
alkyldimetylaminoxid	273-281-2	68955-55-5	5-10 %	Xi ,N	R-38, R-41, R-50
2-(2-butoxyethoxy)ethanol	203-961-6	112-34-5	5-10 %	Xi	R-36
potassium hydroxide	215-181-3	1310-58-3	5-10 %	C	R-22, R-35
disodium metasilicate	229-912-9	6834-92-0	5-10 %	C	R-34, R-37
edta		60-00-4	1-5 %	-	

CLP

Name	REACH No.	Content	Symbol	Classification	CAS No.
alkyldimetylaminoxid	01-211948939 6-21-0000	5-10 %	GHS09, GHS05, , Danger	Skin Irrit. 2: H315, Eye Dam. 1: H318, Aquatic Acute 1: H400	68955-55-5
2-(2-butoxyethoxy)ethanol	01-211947510 4-44-0000	5-10 %	GHS07, , Warning	Eye Irrit. 2: H319	112-34-5
potassium hydroxide	01-211948713 6-33	5-10 %	GHS07, GHS05, , Danger	Acute Tox. 4: H302, Skin Corr. 1A: H314	1310-58-3
disodium metasilicate	01-211944981 1-37	5-10 %	GHS07, GHS05, , Danger	Skin Corr. 1B: H314, STOT SE 3: H335	6834-92-0
edta	01-211948639 9-18-0000	1-5 %	GHS07, , Warning	Eye Irrit. 2: H319, Skin Irrit. 2: H315, STOT SE 3: H335	60-00-4

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. Get medical attention if any discomfort continues.
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. Chemical burns must be treated by a physician.
Eyes	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

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. Avoid inhalation of vapours/aerosoles.
7.2. Conditions for safe storage, including any incompatibilities	
Storage precautions	Keep in original container. Keep in cool, dry, ventilated storage and closed containers. Fluids must not be stored in containers of glass or galvanized materials. Do not use aluminum containers. Store above freezing. Store separated from: Strong acids. Lead. Tin. Zinc. Aluminium.
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 name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
2-(2-butoxyethoxy)ethanol	112-34-5	WEL.	10/67,5 ppm/mg/m ³	15/101,2 ppm/mg/m ³	
potassium hydroxide	1310-58-3	WEL.		2 mg/m ³	

Ingredient comments

WEL = Workplace exposure limits. SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic Senz= Sensitisers, Mut= Carcinogenic

Protective equipment**Process conditions**

Provide eyewash station.

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. / Light yellow.

Odour

Odourless or no characteristic odour.

Solubility description

Miscible with water.

Density (g/cm³)

1,380

Temperature (°C)

20

pH-value, conc. solution

13,8

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	Strong acids. Bases. Oxidising material.
10.6. Hazardous decomposition products	
Hazardous decomp. products	No specific hazardous decomposition products noted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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 burns in mucous membranes, throat, oesophagus and stomach.
Skin	May cause serious chemical burns to the skin. Prolonged or frequent contact may cause redness, itching, eczema and skin cracking.
Eyes	Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.
COMPONENT:	2-(2-butoxyethoxy)ethanol
Toxic dose - LD50:	5660 mg/kg (oral rat)
Toxic dose - LD50:	2406 mg/kg (oral mouse)
Toxic dose - LD50 (skin):	2700 mg/kg (skin rabbit)
COMPONENT:	potassium hydroxide
Toxic dose - LD50:	>2000 mg/kg (oral rat)
Toxic dose - LD50 (skin):	>200 mg/kg (skin rabbit)
Toxic conc. - LC50:	>5 mg/m ³ /4h (inh rat)
COMPONENT:	disodium metasilicate
Toxic dose - LD50:	1153 mg/kg (oral rat)
COMPONENT:	edta
Toxic dose - LD50:	1700 mg/kg (oral rat)

SECTION 12: Ecological information

12.1. Toxicity

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	No bioaccumulation expected.
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:	alkyldimetylaminoxid
Bioaccumulative potential	BCF:1,85
Partition coefficient (log Pow)	6,27
COMPONENT:	2-(2-butoxyethoxy)ethanol
LC 50, 96 Hrs, Fish mg/l:	1300 (Lepomis macrochirus)
EC 50, 48 Hrs, Daphnia, mg/l:	>100 (Daphnia magna)
IC 50, 72 Hrs, Algae, mg/l:	53 (Anacystis aeruginosa)
Bioaccumulative potential	BCF:2,9 b Log Kow: 0,68
Partition coefficient (log Pow)	0,68
Persistence and degradability	BOD5/COD: <0,05 89 % deg., 28days, Method: OECD 301C Easily biodegradable.
COMPONENT:	potassium hydroxide
LC 50, 96 Hrs, Fish mg/l:	80 (Gambusia affinis)
Partition coefficient (log Pow)	<0
COMPONENT:	disodium metasilicate
LC 50, 96 Hrs, Fish mg/l:	210 Art: Brachydanio rerio
EC 50, 48 Hrs, Daphnia, mg/l:	49,6
IC 50, 72 Hrs, Algae, mg/l:	1,5
Bioaccumulative potential	Log Pow: < 0
COMPONENT:	edta
LC 50, 96 Hrs, Fish mg/l:	41 Art: Lepomis macrochirus
EC 50, 48 Hrs, Daphnia, mg/l:	113 Art: D.magna
Bioaccumulative potential	BCF:13
Persistence and degradability	10 % deg., 19 days, Method: OECD 301C

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	06 02 04* sodium and potassium hydroxide 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

Label for conveyance



ROAD TRANSPORT (ADR):

14.1. UN number

UN no. road	1719
UN no. sea	1719
UN no., air	1719

14.2. UN proper shipping name

Proper shipping name (national)	CAUSTIC ALKALI LIQUID, N.O.S.
---------------------------------	-------------------------------

Proper shipping name (international)	CAUSTIC ALKALI LIQUID, N.O.S.
14.3. Transport hazard class(es)	
ADR class no.	8
ADR Hazard labels	8
Classification code	C5
Hazard no. (ADR)	80
RAIL TRANSPORT (RID):	
RID class no.	8
RID Hazard labels	8
SEA TRANSPORT (IMDG):	
IMDG class	8
EmS no.	F-A, S-B
TRANSPORT BY INLAND WATERWAYS (ADN):	
AIR TRANSPORT (IATA-DGR / ICAO-TI):	
IATA/ICAO class	8
IATA/ICAO Hazard label	Corrosive
14.4. Packing group	
ADR packing group	III
RID packing group	III
IMDG packing group	III
IATA/ICAO packing group	III
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 R-22 Harmful if swallowed.
R-34 Causes burns.
R-35 Causes severe burns.
R-36 Irritating to eyes.
R-37 Irritating to respiratory system.
R-38 Irritating to skin.
R-41 Risk of serious damage to eye.
R-50 Very toxic to aquatic organisms.

Explanations to classification in section 3 H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

DSD/DPD**Labeling**

C,

Risk phrases

R-35 Causes severe burns.

*** 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.