SAFETY DATA SHEET
CONTROLL CONCLEAN

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

1.1. Product identifier

Product name CONTROLL CONCLEAN

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

Applications Calcium-, lime- and rust remover.

1.3. Details of the supplier of the safety data sheet

Supplier

BETONGTETT AS
STOREBOTN 13D
N-5309 KLEPPESTØ
Tel: +47 46 17 17 00
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) Xi, R-36/38

Classification according to directive 1272/2008 (CLP)

GHS07, Warning
Skin Irrit. 2: H315
Eye Irrit. 2: H319

2.2. Label elements

CLP

Hazard pictograms

Signal word Warning

Hazard statements Skin Irrit. 2: H315 Causes skin irritation.
Eye Irrit. 2: H319 Causes serious eye irritation.

Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

Contains phosphoric acid

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
citric acid	201-069-1	5949-29-1	30-60 %	-	
phosphoric acid	231-633-2	7664-38-2	5-10 %	C	R-34
oxalic acid dihydrate	205-634-3	6153-56-6	1-5 %	Xn	

CLP

Name	REACH No.	Content	Symbol	Classification	CAS No.
citric acid	01-2119457026-42-0000	30-60 %	GHS07, , Warning	Eye Irrit. 2: H319	5949-29-1
phosphoric acid	01-2119485924-24-0000	5-10 %	GHS05, , Danger	Skin Corr. 1B: H314	7664-38-2
oxalic acid dihydrate	N/A	1-5 %	GHS07, , Warning	Acute Tox. 4: H302, Acute Tox. 4: H312	6153-56-6

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 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.

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
phosphoric acid	7664-38-2	WEL.	1 mg/m3	2 mg/m3	

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

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 regulary. 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	Yellowish.		
Odour	Odourless or no characteristic odour.		
Solubility description	Miscible with water.		
Boiling point (°C, interval)	> 100	**Pressure**	
Density (g/cm3)	1,1	**Temperature (°C)**	20

9.2. Other information

Safety information	Not known.

SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with metals liberate hydrogen gas which can form explosive mixtures.

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	Alkalis. Emit flammable hydrogen gas in contact with metals. Textiles, leather and metals may be attacked. Wood. Structural materials and concrete.

10.6. Hazardous decomposition products

Hazardous decomp. products	May generate hydrogen in contact with metals.

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 irritate and cause stomach pain, vomiting and diarrhoea. Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin	Causes skin irritation.
Eyes	Causes serious eye irritation.
COMPONENT:	**citric acid**
Toxic dose - LD50:	5040 mg/kg (oral rat)
COMPONENT:	**phosphoric acid**
Toxic dose - LD50:	1530 mg/kg (oral rat)
Toxic dose - LD50 (skin):	2740 mg/kg (skin rabbit)
Toxic conc. - LC50:	>0,85 mg/l/h (inh rat)
COMPONENT:	**oxalic acid dihydrate**
Toxic dose - LD50:	7500 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

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:	**citric acid**
LC 50, 96 Hrs, Fish mg/l:	440 - 706 (Carassius auratas)
EC 50, 48 Hrs, Daphnia, mg/l:	80 -120 (72h)
IC 50, 72 Hrs, Algae, mg/l:	640 (Scenedesmus quadricauda)
Partition coefficient (log Pow)	<1
COMPONENT:	**phosphoric acid**
Ecotoxicology data	Acute toxicity. EC50 12 hours Daphnia 3,4 mg/l Daphnia pulex
LC 50, 96 Hrs, Fish mg/l:	138 (Gambusia affinis)
Bioaccumulative potential	Component will not bio-accumulate.
Partition coefficient (log Pow)	<0
Persistence and degradability	The product is readily biodegradable.

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 01 04* phosphoricand phosphorous acid 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	R-34 Causes burns.
Explanations to classification in section 3	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation.
DSD/DPD	
Labeling	Xi,
Risk phrases	R-36/38 Irritating to eyes and skin.

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

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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.