

## SAFETY DATA SHEET

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

#### 1.1. Product identifier

**Trade name**

COMPACT SPULERENS

**Product no.**

6030

**REACH registration number**

Not applicable

**Other means of identification**

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

**Relevant identified uses of the substance or mixture**

NA

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

#### 1.3. Details of the supplier of the safety data sheet

**Company and address**

Compact Clean ApS  
Møllevvej 3  
3630 Jægerspris  
Tlf.: +45 47 50 51 10

**Contact person****E-mail**

compactclean@compactclean.dk

**SDS date**

04-03-2015

**SDS Version**

1.0

#### 1.4. Emergency telephone number

Use your national or local emergency number  
See section 4 "First aid measures"

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Skin Corr. 1B // H314

See full text of H/R-phrases in section 2.2.

**DPD/DSD Classification**

Irritant (Xi).

Irritating to eyes and skin (R36/38).

#### 2.2. Label elements

**Hazard pictogram(s)****Signal word**

According to EC-Regulation 1907/2006 (REACH)

Danger!

## Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

<b>Safety statement(s)</b>	General	-
	Prevention	Wear protective gloves/eye protection. (P280)
	Response	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
	Storage	-
	Disposal	-

## Identity of the substances primarily responsible for the major health hazards

disodium metasilicate, Sodium hydroxide

### 2.3. Other hazards

#### Additional labelling

-

#### Additional warnings

Tactile warning. If this product is sold retail, it must be delivered in a child-proof container.

#### VOC

-

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances

NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-xxxx Index-no: 603-096-00-8
CONTENT:	5-15%
DSD CLASSIFICATION:	Xi; R36
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NAME:	Propylheptanoethoxilate
IDENTIFICATION NOS.:	CAS-no: 160875-66-1
CONTENT:	1-5%
DSD CLASSIFICATION:	Xi; R41
CLP CLASSIFICATION:	Eye Dam. 1 H318
NAME:	disodium metasilicate
IDENTIFICATION NOS.:	CAS-no: 6834-92-0 EC-no: 229-912-9 Index-no: 014-010-00-8
CONTENT:	1-5%
DSD CLASSIFICATION:	C; R34 Xi; R37
CLP CLASSIFICATION:	Skin Corr. 1B, STOT SE 3 H314, H335
NAME:	Sodium hydroxide
IDENTIFICATION NOS.:	CAS-no: 1310-73-2 EC-no: 215-185-5 Index-no: 011-002-00-6
CONTENT:	<1%
DSD CLASSIFICATION:	C; R35
CLP CLASSIFICATION:	Skin Corr. 1A H314

(\*) See full text of H/R-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

### Other informations

Detergent:

0 - 5%: NON-IONIC SURFACTANTS, PHOSPHATES, ANIONIC SURFACTANTS

## SECTION 4: First aid measures

According to EC-Regulation 1907/2006 (REACH)

## 4.1. Description of first aid measures

### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

### Inhalation

Get the person into fresh air and stay with them.

### Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

### Eye contact

Remove contact lenses. Flush eyes with water (20-30°C) for at least 15 minutes. Call a doctor.

### Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

### Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

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

No special

### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from waste material.

### 6.2. Environmental precautions

No specific requirements.

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

### 6.4. Reference to other sections

See section on "Disposal" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

According to EC-Regulation 1907/2006 (REACH)

## 7.1. Precautions for safe handling

Smoking, consumption of food or liquid, and storage of tobacco, food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

## 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### Storage temperature

No data available.

## 7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

Sodium hydroxide (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m<sup>3</sup>

2-(2-butoxyethoxy)ethanol (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL (2-(2-butoxyethoxy)ethanol): 14 ppm - Exposure: Inhalation - Duration: Short term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 20 mg/kg uge/dag - Exposure: Dermal - Duration: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 10 ppm - Exposure: Inhalation - Duration: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 10 ppm - Exposure: Inhalation - Duration: Long term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 7,5 ppm - Exposure: Inhalation - Duration: Short term – Local effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 10 mg/kg uge/dag - Exposure: Dermal - Duration: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg uge/dag - Exposure: Inhalation - Duration: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 1,3 mg/kg uge/dag - Exposure: Oral - Duration: Long term – Systemic effects - General population

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/m<sup>3</sup> - Exposure: Inhalation - Duration: Long term – Local effects

PNEC (2-(2-butoxyethoxy)ethanol): 1 mg/l - Exposure: Freshwater

PNEC (2-(2-butoxyethoxy)ethanol): 0,1 mg/l - Exposure: Marine water

PNEC (2-(2-butoxyethoxy)ethanol): 4 mg/l - Exposure: Freshwater sediment

PNEC (2-(2-butoxyethoxy)ethanol): 0,4 mg/l - Exposure: Marine water sediment

PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/l - Exposure: Sewage Treatment Plant

PNEC (2-(2-butoxyethoxy)ethanol): 0,4 mg/l - Exposure: Soil

### 8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

#### General recommendations

Observe general occupational hygiene.

#### Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

#### Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

#### Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

#### Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

According to EC-Regulation 1907/2006 (REACH)

## Individual protection measures, such as personal protective equipment



### Generally

Only CE-marked personal protection equipment should be used. Use only CE marked protective equipment.

### Respiratory Equipment

No specific requirements.

### Skin protection

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

### Hand protection

Recommended: Nitrile rubber. . : NA

### Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm <sup>3</sup> )
Liquid	Pale yellow	Characteristic	13	-	1,07

### Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

### Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

### Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

### 9.2. Other information

Solubility in fat	Additional information
-	N/A

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

According to EC-Regulation 1907/2006 (REACH)

## Acute toxicity

Substance	Species	Test	Route of exposure	Result
disodium metasilicate	Rat	LD50	Oral	600-1350 mg/kg
2-(2-butoxyethoxy)ethanol	Rabbit	LD50	Dermal	2700 mg/kg
2-(2-butoxyethoxy)ethanol	Rat	LD50	Oral	5660 mg/kg

## Skin corrosion/irritation

Causes severe skin burns and eye damage.

## Serious eye damage/irritation

Causes serious eye damage.

## Respiratory or skin sensitisation

No data available.

## Germ cell mutagenicity

No data available.

## Carcinogenicity

Data on substance: 2-(2-butoxyethoxy)ethanol

## Reproductive toxicity

No data available.

## STOT-single exposure

No data available.

## STOT-repeated exposure

No data available.

## Aspiration hazard

No data available.

## Long term effects

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Test duration	Result
disodium metasilicate	Daphnia	EC50	100	> 247
disodium metasilicate	Fish	LC50	96	3185 mg/l
2-(2-butoxyethoxy)ethanol	Fish	LC50	96 h	1300 mg/l
2-(2-butoxyethoxy)ethanol	Daphnia	EC50	24 h	3200 mg/l
2-(2-butoxyethoxy)ethanol	Algae	EC50	96 h	>100 mg/l

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2-(2-butoxyethoxy)ethanol	Yes	Modified OECD Screening Test	90-100

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
2-(2-butoxyethoxy)ethanol	No	0,56	No data available

### 12.4. Mobility in soil

2-(2-butoxyethoxy)ethanol: Log Koc= 0,521864, Calculated from LogPow (High mobility potential. ).

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

No special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste: Used cleaning fluid is disposed of according to applicable and local approval example: Discharge to sewer with an oil separator: Absorbed / collected material and larger quantities is to be delivered to local waste-treatment plant. Minor spillage can be flushed to sewer.

According to EC-Regulation 1907/2006 (REACH)

## Waste

EWC code  
070699

## Specific labelling

-

## Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

### 14.1 – 14.4

ADR/RID	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)		14.4. Packing group		Notes
	1760		-		III		-
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent
IATA/ICAO	UN-no.	Proper Shipping Name	Class	PG*			

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

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

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

#### Demands for specific education

-

#### Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### Sources

EC regulation 1907/2006 (REACH)  
Directive 2000/532/EC  
EC Regulation 1272/2008 (CLP)

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

Full text of H/R-phrases as mentioned in section 3

According to EC-Regulation 1907/2006 (REACH)

R34 - Causes burns.  
R35 - Causes severe burns.  
R36 - Irritating to eyes.  
R37 - Irritating to respiratory system.  
R41 - Risk of serious damage to eyes.  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

## **The full text of identified uses as mentioned in section 1**

## **Other symbols mentioned in section 2**

-

### **Other**

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

### **The safety data sheet is validated by**

Lars Bøgeholm

### **Date of last essential change (First cipher in SDS version)**

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### **Date of last minor change (Last cipher in SDS version)**

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