

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Ceraseal

**Product no.**

.

**REACH registration number**

Not applicable

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

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

Coating

**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**

North Dynamic AB

Tillverkarvägen 9

187 66 Täby

Sweden

Tfn: +46 8 410 39 100

[www.surfaceproducts.eu](http://www.surfaceproducts.eu)

**E-mail**

[info@surfaceproducts.se](mailto:info@surfaceproducts.se)

**SDS date**

2020-01-12

**SDS Version**

1.2

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

.

**Hazard statement(s)**

.

**Safety statement(s)**

General -

Prevention -

Response -

Storage -

Disposal -

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

Not applicable

### 2.3. Other hazards

This product contains an organic solvent. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer

**Additional labelling**

Safety data sheet available on request. (EUH210)

**Additional warnings**

Not applicable

**VOC**

<5%

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

NAME:	ethanol
IDENTIFICATION NOS.:	CAS-no: 64-17-5 EC-no: 200-578-6 REACH-no: 01-2119457610-43 Index-no: 603-002-00-5
CONTENT:	2 - <5%

CLP CLASSIFICATION:	Flam. Liq. 2, Eye Irrit. 2, H225, H319
NOTE:	S
NAME:	Fattyalcoholethoxylate
IDENTIFICATION NOS.:	CAS-no: 68439-50-9 EC-no: 500-213-3
CONTENT:	1 - 5%
CLP CLASSIFICATION:	Aquatic Acute 1, Aquatic Chronic 3, H400, H412 (M-acute = 1)
(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available. S = Organic solvent	
<b>Other information</b>	
ATEmix(inhale, vapour) > 20, ATEmix(oral) > 2000, Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0.2912 - 0.4368, N chronic (CAT 4) Sum = Sum(Ci/(M(chronic) <sup>i</sup> *25)*0.1*10 <sup>^</sup> CAT4) = 0.064 - 0.096, N acute (CAT 1) Sum = Sum(Ci/M(acute) <sup>i</sup> *25) = 0.064 - 0.096.	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Bring the person into fresh air and stay with him/her.

#### Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water.

#### Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor.

#### Burns

Not applicable

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

This product contains organic solvents. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

Nothing 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.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. In case of fire a thick black fog will develop, which can be a danger to ones health. Fire fighters should use proper protection gear. Closed containers, exposed to fire, should be cooled with water. Do not allow water from fire extinction run into sewer systems and water streams.

### 5.3. Advice for firefighters

No specific requirements.

## SECTION 6: Accidental release measures

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

No specific requirements.

### 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.

### 6.4. Reference to other sections

See section 13 in regard of handling of waste. See section 8 for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

See section 8 for information on personal protection.

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

Always store in original container.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

Ethanol, Long-term exposure limit (8-hour TWA reference period): 1000 ppm | 1920 mg/m<sup>3</sup>, Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL (ethanol): 950mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Long term – Systemic effects - Workers  
 DNEL (ethanol): 343mg/kg/day, Exposure: Dermal, Duration of Exposure: Long term – Systemic effects - Workers  
 DNEL (ethanol): 950mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Short term – Local effects - General population  
 DNEL (ethanol): 87mg/kg/day, Exposure: Oral, Duration of Exposure: Long term – Systemic effects - General population  
 DNEL (ethanol): 114mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Long term – Systemic effects - General population  
 DNEL (ethanol): 206mg/kg/day, Exposure: Dermal, Duration of Exposure: Long term – Systemic effects - General population  
 DNEL (ethanol): 1900mg/m<sup>3</sup>, Exposure: Inhalation, Duration of Exposure: Short term – Local effects - Workers  
 PNEC (ethanol): 0,96mg/l, Exposure: Freshwater  
 PNEC (ethanol): 0,79mg/l, Exposure: Marine water  
 PNEC (ethanol): 2,75mg/l, Exposure: Intermittent release  
 PNEC (ethanol): 3,6mg/kg, Exposure: Freshwater sediment  
 PNEC (ethanol): 0,63mg/kg, Exposure: Soil  
 PNEC (ethanol): 2,9mg/kg, Exposure: Marine water sediment  
 PNEC (ethanol): 580mg/l, Exposure: Sewage Treatment Plant

### 8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, eating and drinking are not allowed in the work premises

#### Exposure scenarios

There is no appendix to this safety data sheet.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### Appropriate technical measures

Ensure emergency eyewash and -showers are clearly marked.

#### Hygiene measures

At the end of the working day all exposed areas of the body must be washed thoroughly.

#### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment



#### Generally

Use only CE marked protective equipment.

#### Respiratory Equipment

No specific requirements.

#### Skin protection

No specific requirements.

#### Hand protection

Recommended: Nitrile rubber. Can be reused after cleaning

#### Eye protection

No specific requirements.

## SECTION 9: Physical and chemical properties

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

Form	Liquid
Colour	Pale green
Odour	Pleasant
Odour threshold (ppm)	No data available.
pH	7
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1
Melting point (°C)	No data available.
Boiling point (°C)	~100
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility in water	Soluble
n-octanol/water coefficient	No data available.
<b>9.2. Other information</b>	
Solubility in fat (g/L)	No data available.

**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 "Handling and storage".

**10.3. Possibility of hazardous reactions**

Nothing special

**10.4. Conditions to avoid**

Nothing special

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing 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**

**Acute toxicity**

Substance: Fattyalcoholethoxylate, Species: Rabbit, Test: LD50, Route of exposure: Dermal, Result: >2000mg/kg  
 Substance: Fattyalcoholethoxylate, Species: Rat, Test: LD50, Route of exposure: Oral, Result: >2000mg/kg  
 Substance: ethanol, Species: Rat, Test: LD50, Route of exposure: Dermal, Result: 15800mg/kg  
 Substance: ethanol, Species: Rabbit, Test: LD lo, Route of exposure: Dermal, Result: >15800mg/kg  
 Substance: ethanol, Species: Human, Test: LD lo, Route of exposure: Oral, Result: 6000mg/kg  
 Substance: ethanol, Species: Rat, Test: LD50, Route of exposure: Oral, Result: 10470mg/kg  
 Substance: ethanol, Species: Rat, Test: LC50, Route of exposure: Inhalation, Result: 200mg/l 4h

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

No data available.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**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**

This product contains organic solvents. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance: Fattyalcoholethoxylate, Species: Daphnia, Test: EC50, Duration: 48h, Result: 0.1-1mg/l  
 Substance: Fattyalcoholethoxylate, Species: Fish, Test: LC50, Duration: 96h, Result: 0.1-1mg/l  
 Substance: Fattyalcoholethoxylate, Species: Algae, Test: EC50, Duration: 72h, Result: 0.1-1mg/l  
 Substance: ethanol, Species: Fish, Test: LC50, Duration: 96h, Result: 13500mg/l,  
 Substance: ethanol, Species: Daphnia, Test: EC50, Duration: 48h, Result: 12,34mg/l  
 Substance: ethanol, Species: Algae, Test: IC50, Duration: 72h, Result: >10,9mg/l

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Fattyalcoholethoxylate	Yes	CO2 Evolution Test	>60%
ethanol	Yes	Closed Bottle Test	85%

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
Fattyalcoholethoxylate	No	No data available	No data available
ethanol	No	-0.31	0.66

**12.4. Mobility in soil**

ethanol: Log Koc= -0.167089, Calculated from LogPow ().

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6. Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

#### Waste

EWC code

#### Contaminated packing

No specific requirements.

## SECTION 14: Transport information

### 14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

## 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 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

#### Additional information

#### Seveso

#### Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

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

#### Additional label elements

Not applicable

#### 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, see section 1)) is marked with a blue triangle.

#### The safety data sheet is validated by

Richard Johansson

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

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