

## SAFETY DATA SHEET

# Hornum Solcellerens

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

#### 1.1. Product identifier

Trade name

Hornum Solcellerens

Unique formula identifier (UFI)

3160-U0JV-N005-41PF

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

Relevant identified uses of the substance or mixture

Cleaning product

Uses advised against

No special

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

Company and address

**FAUSOL A/S**

Roskildevej 16

4030 Thune

Denmark

+45 7027 2950

www.fausol.dk

Contact person

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E-mail

info@fausol.dk

SDS date

2021-05-07

SDS Version

1.0

#### 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

Eye Irrit. 2; H319, Causes serious eye irritation.

#### 2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Causes serious eye irritation.

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

### Safety statement(s)

#### General

P101, If medical advice is needed, have product container or label at hand.

P102, Keep out of reach of children.

#### Prevention

P280, Wear face shield / protective gloves.

#### Response

P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313, If eye irritation persists: Get medical advice/attention.

#### Storage

-

#### Disposal

-

### Hazardous substances

No special

### 2.3. Other hazards

#### Additional labelling

Not applicable

#### Additional warnings

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Fatty alcohol ethoxylate	CAS No.: 69011-36-5 EC No.: 500-241-6 REACH: 01-2119976362-32-0000 Index No.:	1-3%	Acute Tox. 4, H312 Acute Tox. 4, H332 Acute Tox. 4, H302 Eye Dam. 1, H318 (SCL: 10.00%)	
alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt	CAS No.: 68585-34-2 EC No.: 500-223-8 REACH: 01-2119513369-37-0000 Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Paraffin,oils,sulfochlorinated,saponif	CAS No.: 68188-18-1 EC No.: 269-144-1 REACH: Index No.:	1-3%	Eye Irrit. 2, H319 Acute Tox. 4, H302 Skin Irrit. 2, H315	
sodium glyconate	CAS No.: 527-07-1 EC No.: 208-407-7	1-3%		

REACH:			
Index No.:			
phenoxyethanol	CAS No.: 122-99-6	<1%	Acute Tox. 4, H302 Eye Irrit. 2, H319
	EC No.: 204-589-7		
	REACH: 01-2119488943-21-0000		
	Index No.: 603-098-00-9		

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

No special

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004

< 5%

- Anionic surfactants
- Non-ionic surfactants

## 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 – take the label or this safety data sheet. 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

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. 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. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure 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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>).

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

No specific requirements

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

### 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.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

> 0°C

#### Incompatible materials

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

### 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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Product/substance	Paraffin,oils,sulfochlorinated,saponif
DNEL	10 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	Paraffin,oils,sulfochlorinated,saponif
DNEL	17 mg/kg bw/dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	Paraffin,oils,sulfochlorinated,saponif
DNEL	10 mg/kg bw/dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

## PNEC

Product/substance	Paraffin,oils,sulfochlorinated,saponif
PNEC	0,02 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	Paraffin,oils,sulfochlorinated,saponif
PNEC	8,1 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	Paraffin,oils,sulfochlorinated,saponif
PNEC	0,17 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	Paraffin,oils,sulfochlorinated,saponif
PNEC	0,017 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	Paraffin,oils,sulfochlorinated,saponif
PNEC	0,2 µg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	Paraffin,oils,sulfochlorinated,saponif
PNEC	20 µg/L
Route of exposure	Freshwater
Duration of Exposure	

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### Appropriate technical measures

##### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

##### 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

Work situation	Type	Class	Colour	Standards
-	No specific requirements	-	-	-

##### Skin protection

Work situation	Recommended	Type/Category	Standards
	No special when used as intended	-	-

##### Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
	Nitrile	0,3	>120	EN374-2



##### Eye protection

Work situation	Type	Standards
	In the likelihood of direct or incidental exposure, use face protection.	EN166



## SECTION 9: Physical and chemical properties

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

#### Form

Liquid

#### Colour

Yellowish

#### Odour

Characteristic

#### Odour threshold (ppm)

Testing not relevant or not possible due to nature of the product.

#### pH

8,0

#### Density (g/cm<sup>3</sup>)

1.01

#### Viscosity

Testing not relevant or not possible due to nature of the product.

#### Phase changes

Melting point (°C)

Testing not relevant or not possible due to nature of the product.

**Boiling point (°C)**

1.00 °C

**Vapour pressure**

Testing not relevant or not possible due to nature of the product.

**Vapour density**

Testing not relevant or not possible due to nature of the product.

**Decomposition temperature (°C)**

Testing not relevant or not possible due to nature of the product.

**Evaporation rate (n-butylacetate = 100)**

**Data on fire and explosion hazards**

**Flash point (°C)**

Testing not relevant or not possible due to nature of the product.

**Ignition (°C)**

Testing not relevant or not possible due to nature of the product.

**Auto flammability (°C)**

Testing not relevant or not possible due to nature of the product.

**Explosion limits (% v/v)**

Testing not relevant or not possible due to nature of the product.

**Explosive properties**

Testing not relevant or not possible due to nature of the product.

**Oxidizing properties**

Testing not relevant or not possible due to nature of the product.

**Solubility**

**Solubility in water**

Soluble

**n-octanol/water coefficient**

Testing not relevant or not possible due to nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to nature of the product.

**9.2. Other information**

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

No 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**

Product/substance	Fatty alcohol ethoxylate
Test method	

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 500 - 2000 mg/kg ·
Other information	

Product/substance	Fatty alcohol ethoxylate
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	> 4000 mg/kg ·
Other information	

Product/substance	alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 2000 mg/kg ·
Other information	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1271 mg/kg ·
Other information	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	> 5000 mg/kg ·
Other information	

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure



According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Other information

No special

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance	Fatty alcohol ethoxylate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	10 - 100 mg/L ·
Other information	

Product/substance	Fatty alcohol ethoxylate
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	10 - 100 mg/L ·
Other information	

Product/substance	Fatty alcohol ethoxylate
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	10 - 100 mg/L ·
Other information	

Product/substance	alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	> 1 mg ·
Other information	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
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According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	4,72 mg/L ·
Other information	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	IC50
Result	246,89 mg/L ·
Other information	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	4,16 mg/L ·
Other information	

## 12.2. Persistence and degradability

Product/substance	Fatty alcohol ethoxylate
Biodegradable	Yes
Test	
Result	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
Biodegradable	Yes
Test	OECD 301 E
Result	82 %

## 12.3. Bioaccumulative potential

Product/substance	Fatty alcohol ethoxylate
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/substance	Paraffin,oils,sulfochlorinated,saponif
Test method	
Potential bioaccumulation	No
LogPow	2,2700

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

BCF No data available  
Other information

#### 12.4. Mobility in soil

No data available

#### 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

No special

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Avoid discharge to lakes, streams, sewers, etc.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

20 03 01 Mixed municipal waste

20 01 29\* Detergents containing dangerous substances

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

#### 14.1 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

"MARINE POLLUTANT"

No

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

### SECTION 15: Regulatory information

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

Restrictions for application

No special

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

Not applicable

#### 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

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

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).

Regulation (EC) 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

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

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H318, Causes serious eye damage.

H332, Harmful if inhaled.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

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SCL = A specific concentration limit.  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

#### The safety data sheet is validated by

MH

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

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.

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.

Country-language: GB-en