

# SAFETY DATA SHEET

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

### 1.1. Product identifier

#### Trade name

Eco Clean Lime Scale remover Grapefruit Ecocert certification

Eco Clean Nordic Aps  
Kronprinsensgade 1 2nd floor  
1114 Copenhagen  
Denmark

#### Contact person

Tommy W. Andersen

#### E-mail

[info@ecnordic.com](mailto:info@ecnordic.com)

#### SDS date

2016-02-18

#### 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

Eye Irrit. 2; H319

See full text of H-phrases in section 2.2.

### 2.2. Label elements

#### Hazard pictogram(s)



#### Signal word

Warning

#### Hazard statement(s)

Causes serious eye irritation. (H319)

#### Safety statement(s)

##### General

If medical advice is needed, have product container or label at hand. (P101).  
Keep out of reach of children. (P102).

##### Prevention Response

Wear eye protection. (P280).  
IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.  
(P305+P351+P338).  
If eye irritation persists: Get medical advice/attention. (P337+P313).

Storage -  
Disposal -

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

-

### 2.3. Other hazards

#### Additional labelling

100% Natural ingredient

#### Additional warnings

-

#### VOC

-

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

NAME: Citronsyre monohydrat  
IDENTIFICATION NOS.: CAS-no: 5949-29-1 EC-no: - REACH-no: 01-2119457026-42-0000  
CONTENT: 3-5%  
CLP CLASSIFICATION: Eye Irrit. 2  
H319

NAME: D-glucopyranose, oligomeric, c10-16-alkyl glycosides  
IDENTIFICATION NOS.: CAS-no: 110615-47-9 REACH-no: 01-2119489418-23  
CONTENT: 1-3%  
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1  
H315, H318

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

### Other informations

ATEmix(oral) > 2000  
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,488 - 0,624  
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,1248 - 0,1872

Ingredients:  
based on plant surfactant  
based on Sugar surfactant

## 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 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

Not applicable

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

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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

If eye irritation persists: Get medical advice/attention.

##### Information to medic

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

No special

#### 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

No specific requirements.

#### 6.2. Environmental precautions

No specific requirements.

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

No specific requirements.

#### 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

#### 7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

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

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

##### 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

No substances listed.

##### DNEL / PNEC

#### 8.2. Exposure controls

No control is necessary if the product is used in a normal way.

##### 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

There are no maximum exposure limits for the substances contained in this product.

##### Appropriate technical measures

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

##### Hygiene measures

Always wash hands, forearms and face after use.

**Measures to avoid environmental exposure**

No specific requirements.

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



**Generally**

No specific requirements.

**Respiratory Equipment**

No specific requirements.

**Skin protection**

No specific requirements.

**Hand protection**

Recommended: Nitrile rubber. : NA

**Eye protection**

No specific requirements.

**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	Clear	Grapefruit	3	-	1,0

**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**

**Acute toxicity**

Substance	Species	Test	Route of exposure	Result
D-glucopyranose, oligomeric, c...	Rat	LD50	Dermal	>2000 mg/kg

According to EC-Regulation 1907/2006 (REACH)

D-glucopyranose, oligomeric, c...	Rat	LD50	Oral	>2000 mg/kg
Citronsyre monohydrat	Rat	LD50	Dermal	>2000mg/kg
Citronsyre monohydrat	Rat	LD50	Oral	11700 mg/kg
Citronsyre monohydrat	Mouse	LD50	Oral	5400 mg/kg
Citronsyre monohydrat	Mouse	LD50	Intraperitoneal	940 mg/kg
Citronsyre monohydrat	Rat	LD50	Intraperitoneal	725 mg/kg

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

Causes serious eye irritation.

**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**

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance	Species	Test	Test duration	Result
D-glucopyranose, oligomeric, c...	Fish	LC50		>1-10 mg/l
D-glucopyranose, oligomeric, c...	Crustacean	EC0		>100 mg/l
D-glucopyranose, oligomeric, c...	Fish	NOEC	28 d	> 1mg/l
D-glucopyranose, oligomeric, c...	Daphnia	NOEC	21 d	> 1 mg/l
Citronsyre monohydrat	Fish	LC50	48 h	440 mg/l
Citronsyre monohydrat	Daphnia	LC50	24 h	1535 mg/l
Citronsyre monohydrat	Algae	LC50	168 h	425 mg/l

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
D-glucopyranose, oligomeric, c...	Yes	No data available	No data available
Citronsyre monohydrat	Yes	Modified OECD Screening Test	100%

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BFC
D-glucopyranose, oligomeric, c...	No	No data available	No data available
Citronsyre monohydrat	No	No data available	No data available

**12.4. Mobility in soil**

No data available

**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**

This product is not covered by the regulations on dangerous waste.

**Waste**

EWC code

-

According to EC-Regulation 1907/2006 (REACH)

### 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

Not listed as dangerous goods under ADR and IMDG regulations.

### 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

Tunnel restriction code

#### 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

-

#### Demands for specific education

-

#### Additional information

#### Sources

EC Regulation 1272/2008 (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

According to EC-Regulation 1907/2006 (REACH)

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye 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**

KAO

**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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