

# SAFETY DATA SHEET

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

### 1.1. Product identifier

#### Trade name

Eco Clean Dishwash Citrus Melissa Ecocert certification

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

#### Contact person

Tommy W. Andersen

#### E-mail

info@ecnordic.com

#### SDS date

2016-02-22

#### 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

Wear eye protection. (P280).

##### Response

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

Contain 99,8% natural ingredient, contain also natural Essentiel oil and Organic Floral water

##### Additional warnings

##### VOC

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

NAME: D-glucopyranose, oligomeric, c10-16-alkyl glycosides  
IDENTIFICATION NOS.: CAS-no: 110615-47-9 REACH-no: 01-2119489418-23  
CONTENT: 5-10%  
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1  
H315, H318

NAME: Sodium Lauryl Sulfate  
IDENTIFICATION NOS.: CAS-no: 85586-07-8 EC-no: 287-809-4 REACH-no: 01-2119489463-28-0002  
CONTENT: 3-5%  
CLP CLASSIFICATION: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3  
H302, H315, H318, H412

NAME: 1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N(c8-18 andc18-unsatd.  
Acyl)derivs., hydroxides, inn  
IDENTIFICATION NOS.: CAS-no: 147170-44-3 REACH-no: 01-2119489410-39  
CONTENT: 1-3%  
CLP CLASSIFICATION: Eye Dam. 1, Aquatic Chronic 3  
H318, H412

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

#### Other informations

ATEmix(inhale, vapour) > 20  
ATEmix(inhale, dust/mist) > 20  
ATEmix(inhale, dust/mist) > 20000  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000  
 $N \text{ chronic (CAT 4) Sum} = \text{Sum}(C_i/M(\text{chronic})^i * 25 * 0.1 * 10^{\wedge} \text{CAT4}) = 0,14912 - 0,22368$

Ingredients:  
based on plant surfactant  
based on Sugar surfactant  
1% Aloe Vera

## 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

No specific requirements.

#### Skin contact

No specific requirements.

#### **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 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**

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

Use only CE marked protective equipment.

#### Respiratory Equipment

No specific requirements.

#### Skin protection

Special work clothing should be used.

#### Hand protection

Use Nitrile gloves.

#### 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	Lemon like	4,5	-	1,02

#### 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
1-propanaminium, 3-amino-N-(ca...	Rat	LD50	Dermal	>2000 mg/kg
1-propanaminium, 3-amino-N-(ca...	Rat	LD50	Oral	>5000 mg/kg
svovlsyre, mono-C12-14-alkyles...	Rat	LD50	Dermal	>2000 mg/kg
svovlsyre, mono-C12-14-alkyles...	Rat	LD50	Oral	1800 mg/kg
svovlsyre, mono-C12-14-alkyles...	Rat	NOAEL		100 mg/kg bw/dag
D-glucopyranose, oligomeric, c...	Rat	LD50	Dermal	28dage
D-glucopyranose, oligomeric, c...	Rat	LD50	Oral	>2000 mg/kg >2000 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
1-propanaminium, 3-amino-N-(ca...	Fish	LC50		>1-10 mg/l
1-propanaminium, 3-amino-N-(ca...	Daphnia	EC50		>1-10 mg/l
1-propanaminium, 3-amino-N-(ca...	Algae	EC50		>1-10 mg/l
1-propanaminium, 3-amino-N-(ca...	Crustacean	EC0		>100 mg/l
1-propanaminium, 3-amino-N-(ca...	Fish	NOEC		<=1 mg/l
1-propanaminium, 3-amino-N-(ca...	Algae	NOEC		<=1 mg/l
svovlsyre, mono-C12-14-alkyles...	Fish	LC50	96 h	3,6 mg/l
svovlsyre, mono-C12-14-alkyles...	Algae	ErC50	72 h	>20 mg/l
svovlsyre, mono-C12-14-alkyles...	Daphnia	EC50	48 h	4,7 mg/l
svovlsyre, mono-C12-14-alkyles...	Fish	NOEC	42 d	<1,357 mg/l
svovlsyre, mono-C12-14-alkyles...	Crustacean	NOEC	7 d	0,508 mg/l
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

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
1-propanaminium, 3-amino-N-(ca...	Yes	No data available	No data available
svovlsyre, mono-C12-14-alkyles...	Yes	Closed Bottle Test	>78 %
D-glucopyranose, oligomeric, c...	Yes	No data available	No data available

According to EC-Regulation 1907/2006 (REACH)

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
1-propanaminium, 3-amino-N-(ca... svovlsyre, mono-C12-14-alkyles...	No	No data available	No data available
D-glucopyranose, oligomeric, c...	No	No data available	-2,42 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

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

#### Waste

EWC code

-

#### 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

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

### 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)

-

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

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