

SAFETY DATA SHEET

Eco Clean Nordic Toilet Cleaner Grapefruit

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

1.1. Product identifier

▼ Trade name

Eco Clean Nordic Toilet Cleaner Grapefruit

Unique formula identifier (UFI)

SA70-E0WV-G00T-2JVT

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

Relevant identified uses of the substance or mixture

Detergent for retail

Use descriptors (REACH)

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	Description
PC35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC10	Roller application or brushing
Environmental release category	Description
ERC8a	Wide dispersive indoor use of processing aids in open systems

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Eco Clean Nordic Aps

Båd havnsgade 12, 1. Sal.

2450 København SV

Denmark

Contact person

Tommy W. Andersen

E-mail

info@ecnordic.com

Revision

10-02-2022

SDS Version

2.0

Date of previous version

2021-12-01 (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. (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

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

-

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
Citric acid monohydrat	CAS No.: 77-92-9	5-10%	Eye Irrit. 2, H319	
	EC No.: 201-069-1			
	REACH: 01-2119457026-42-0000			
	Index No.:			
D-glucopyranose, oligomeric, c10-16-alkyl glycosides	CAS No.: 110615-47-9	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318	
	EC No.: 600-975-8			
	REACH: 01-2119489418-23			

	Index No.: 600-975-8			
(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene	CAS No.: 5989-27-5 EC No.: 227-813-5 REACH: Index No.: 601-029-00-7	<0.1%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[9]

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

Other information

[9] Identified by EU as one of 26 specific fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

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

< 5%

- Non-ionic surfactants
- Perfumes (D-LIMONENE)

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

Not applicable

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.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, 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

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
DNEL	595000 mg/kg
Route of exposure	Dermal

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

Duration	Long term – Systemic effects - Workers
Product/substance DNEL	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 420 mg/m ³
Route of exposure Duration	Inhalation Long term – Systemic effects - Workers
Product/substance DNEL	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 357000 mg/kg
Route of exposure Duration	Dermal Long term – Systemic effects - General population
Product/substance DNEL	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 35,7 mg/kg
Route of exposure Duration	Oral Long term – Systemic effects - General population
Product/substance DNEL	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 124 mg/m ³
Route of exposure Duration	Inhalation Long term – Systemic effects - General population

▼ PNEC

Product/substance PNEC	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 0,176 mg/l
Route of exposure Duration of Exposure	Freshwater
Product/substance PNEC	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 0,018 mg/l
Route of exposure Duration of Exposure	Marine water
Product/substance PNEC	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 0,0295 mg/l
Route of exposure Duration of Exposure	Intermittent release
Product/substance PNEC	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 5000 mg/l
Route of exposure Duration of Exposure	Sewage treatment plant
Product/substance PNEC	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 1,516 mg/kg
Route of exposure Duration of Exposure	Freshwater sediment
Product/substance PNEC	D-glucopyranose, oligomeric, c10-16-alkyl glycosides 0,065/kg mg
Route of exposure	Marine water sediment

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

Duration of Exposure

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
PNEC	0,654 mg/kg
Route of exposure	Soil
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.

Exposure limits

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

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

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

Type	Class	Colour	Standards
No specific requirements			

Skin protection

Recommended	Type/Category	Standards
No specific requirements	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No special when used as intended	-	-	-

Eye protection

Type	Standards
In the likelihood of direct or incidental exposure, use eye protection.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Liquid

Colour

Colourless

Odour

Pleasant

Odour threshold (ppm)

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

pH

2,,1

Density (g/cm³)

1.02

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)

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

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

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

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	Citric acid monohydrat
Test method	
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	5400 mg/kg ·
Other information	

Product/substance	Citric acid monohydrat
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	11700 mg/kg ·
Other information	

Product/substance	Citric acid monohydrat
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000mg/kg ·
Other information	

Product/substance	Citric acid monohydrat
Test method	
Species	Rat
Route of exposure	Intraperitoneal
Test	LD50
Result	725 mg/kg ·
Other information	

Product/substance	Citric acid monohydrat
Test method	
Species	Mouse
Route of exposure	Intraperitoneal
Test	LD50
Result	940 mg/kg ·
Other information	

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50

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

Result >5000 mg/kg ·
Other information

Product/substance D-glucopyranose, oligomeric, c10-16-alkyl glycosides
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

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

(R)-p-mentha-1,8-diene;dipentene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;d-limonene;limonene;l-limonene has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

▼ 12.1. Toxicity

Product/substance Citric acid monohydrat
Test method
Species Fish
Compartment
Duration 48 hours
Test LC50
Result 440 mg/l ·
Other information

Product/substance Citric acid monohydrat

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

Test method
 Species Daphnia
 Compartment
 Duration 24 hours
 Test LC50
 Result 1535 mg/l ·
 Other information

Product/substance Citric acid monohydrat
 Test method
 Species Algae
 Compartment
 Duration 7 days
 Test LC50
 Result 425 mg/l ·
 Other information

Product/substance Citric acid monohydrat
 Test method
 Species Crustacean
 Compartment
 Duration 16 hours
 Test
 Result >10000 mg/l ·
 Other information

Product/substance D-glucopyranose, oligomeric, c10-16-alkyl glycosides
 Test method
 Species Fish
 Compartment
 Duration 96 hours
 Test LC50
 Result >1-10 mg/l ·
 Other information

Product/substance D-glucopyranose, oligomeric, c10-16-alkyl glycosides
 Test method
 Species Crustacean
 Compartment
 Duration No data available.
 Test EC0
 Result >100 mg/l ·
 Other information

Product/substance D-glucopyranose, oligomeric, c10-16-alkyl glycosides
 Test method
 Species Fish
 Compartment
 Duration 28 days
 Test NOEC
 Result > 1mg/l ·
 Other information

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

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	> 1 mg/l ·
Other information	

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>10-100 mg/l ·
Other information	

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>10-100 mg/l ·
Other information	

12.2. Persistence and degradability

Product/substance	Citric acid monohydrat
Biodegradable	Yes
Test method	OECD 301 E
Result	100%

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
Biodegradable	Yes
Test method	
Result	

12.3. Bioaccumulative potential

Product/substance	Citric acid monohydrat
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/substance	D-glucopyranose, oligomeric, c10-16-alkyl glycosides
Test method	
Potential bioaccumulation	No

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

LogPow No data available
 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

Product is covered by the regulations on hazardous waste.
 Dispose of contents/container to an approved waste disposal plant.
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

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

"MARINE POLLUTANT"

No

IATA

Not applicable

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

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

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.
 CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.
 EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

15.2. Chemical safety assessment

No

▼ SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
 H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H318, Causes serious eye damage.
 H319, Causes serious eye irritation.
 H400, Very toxic to aquatic life.
 H410, Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
 PROC10 = Roller application or brushing
 PC35 = Washing and Cleaning Products (including solvent based products)
 ERC8a = Wide dispersive indoor use of processing aids in open systems

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

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

LT

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