

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Nilfisk Rattan & Plastic Cleaner

Product no.

125300386

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

Chemicals for retail sale

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

Nilfisk A/S
Kornmarksvej 1
Brøndby
DK-2605
Tlf.: +45 43 23 40 50

Contact person

-

E-mail

-

SDS date

2017-03-14

SDS Version

2.0

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

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

2.2. Label elements

Hazard pictogram(s)

-

Signal word

-

Hazard statement(s)

-

Safety statement(s)

General	-
Prevention	-
Response	-
Storage	-
Disposal	-

Identity of the substances primarily responsible for the major health hazards

-

2.3. Other hazards

-

Additional labelling

Safety data sheet available on request. (EUH210)

Additional warnings

VOC

-

SECTION 3: Composition/information on ingredients

▼ 3.1/3.2. Substances/Mixtures

NAME:	butoxydiglycol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 Index-no: 603-096-00-8
CONTENT:	3-5%
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NOTE:	L
NAME:	Paraffin,oils,sulfochlorinated,saponif
IDENTIFICATION NOS.:	CAS-no: 68188-18-1 EC-no: 269-144-1
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2 H302, H315, H319,
NAME:	alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt
IDENTIFICATION NOS.:	CAS-no: 68585-34-2 EC-no: 500-223-8
CONTENT:	1-3%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Irrit. 2 H315, H319
NAME:	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
IDENTIFICATION NOS.:	CAS-no: 164462-16-2 REACH-no: 01-0000016977-53
CONTENT:	1-3%
CLP CLASSIFICATION:	NA
NAME:	acetic acid ... %
IDENTIFICATION NOS.:	CAS-no: 64-19-7 EC-no: 200-580-7 Index-no: 607-002-00-6
CONTENT:	<0.1%
CLP CLASSIFICATION:	Flam. Liq. 3, Skin Corr. 1A H226, H314
NOTE:	SL
NAME:	sodium hydroxide
IDENTIFICATION NOS.:	CAS-no: 1310-73-2 EC-no: 215-185-5 Index-no: 011-002-00-6
CONTENT:	<0.05%
CLP CLASSIFICATION:	Skin Corr. 1A H314

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(oral) > 2000
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,644 - 0,966
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,264 - 0,396
 Detergent:
 < 5%: ANIONIC 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. 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 injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 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

No special

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

No 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. Waterjets 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. 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

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

▼ 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. 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 container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

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

sodium hydroxide (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³

Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m³

▼ DNEL / PNEC

DNEL (Paraffin,oils,sulfochlorinated,saponif): 10 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (Paraffin,oils,sulfochlorinated,saponif): 17 mg/kg bw/dag

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Paraffin,oils,sulfochlorinated,saponif): 10 mg/kg bw/dag

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

PNEC (Paraffin,oils,sulfochlorinated,saponif): 0,02 mg/kg

Exposure: Soil

PNEC (Paraffin,oils,sulfochlorinated,saponif): 8,1 mg/L

Exposure: Sewage Treatment Plant

PNEC (Paraffin,oils,sulfochlorinated,saponif): 0,17 mg/kg

Exposure: Freshwater sediment

PNEC (Paraffin,oils,sulfochlorinated,saponif): 0,017 mg/kg

Exposure: Marine water sediment

PNEC (Paraffin,oils,sulfochlorinated,saponif): 0,2 µg/L

Exposure: Marine water

PNEC (Paraffin,oils,sulfochlorinated,saponif): 20 µg/L

Exposure: Freshwater

8.2. Exposure controls

Compliance with the given 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

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

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

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

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

Recommended: S/SL. P2 . White

Skin protection

No specific requirements.

Hand protection

Recommended: Nitrile rubber. See the manufacturer's instructions.

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	Yellowish
Odour	Characteristic
pH	11,0
Viscosity (40°C)	No data available.
Density (g/cm ³)	1,027

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

Data on fire and explosion hazards

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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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

No special

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

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	Species	Test	Route of exposure	Result
acetic acid ... %	Rat	LC50	Inhalation	16000 ppm/4 h
acetic acid ... %	Rabbit	LD50	Dermal	1060 mg/kg
acetic acid ... %	Rat	LD50	Oral	3310 mg/kg
Alanine, N,N-	Rat	LD50	Oral	> 2000 mg/kg
bis(carboxymethyl)...	Rat	LD50	Dermal	> 2000 mg/kg
Alanine, N,N-	Rat	LD50	Oral	> 2000 mg/kg
bis(carboxymethyl)...	Rat	LD50	Oral	1271 mg/kg
alpha,-Alkyl,C10-16,omega,-	Rat	LD50	Dermal	> 5000 mg/kg
hyd...	Rat	LD50	Inhalation	5,56 g/kg
Paraffin,oils,sulfochlorinated...				
Paraffin,oils,sulfochlorinated...				
butoxydiglycol				

Skin corrosion/irritation

Data on substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Test: OECD Guideline 404

Organism: Rabbit

Result: Ikke irriterende

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

Data on substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Test: OECD Guideline 471

Result: negativ

No adverse effect observed.

Data on substance: alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt

No adverse effect observed.

Carcinogenicity

Data on substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Organism: Rat

Result: negativ

No adverse effect observed.

Data on substance: alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt

No adverse effect observed.

Reproductive toxicity

Data on substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt

No adverse effect observed.

Data on substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt

Data on substance: alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt

No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

No special

SECTION 12: Ecological information**▼ 12.1. Toxicity**

Substance	Species	Test	Duration	Result
acetic acid ... %				
acetic acid ... %				
Alanine, N,N-bis(carboxymethyl)...	Fish	LC50	24 h	251 mg/L
Alanine, N,N-bis(carboxymethyl)...	Daphnia	IC50	96 h	47 mg/L
Alanine, N,N-bis(carboxymethyl)...	Fish	LC50	96 h	> 200 mg/L
Alanine, N,N-bis(carboxymethyl)...	Daphnia	EC50	48 h	> 200 mg/L
Alanine, N,N-bis(carboxymethyl)...	Algae	EC50	72 h	> 200 mg/L
Alanine, N,N-bis(carboxymethyl)...	Fish	LC50	96 h	> 1 mg
alpha,-Alkyl,C10-16,omega,-hyd...	Daphnia	EC50	48 h	4,72 mg/L
alpha,-Alkyl,C10-16,omega,-hyd...	Algae	IC50	72 h	246,89 mg/L
Paraffin,oils,sulfochlorinated...	Fish	LC50	96 h	4,16 mg/L
Paraffin,oils,sulfochlorinated...	Fish	LC50	96 h	2500 mg/L
Paraffin,oils,sulfochlorinated...	Daphnia	EC50	48 h	> 1000 mg/L
butoxydiglycol				
butoxydiglycol				

▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
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Paraffin,oils,sulfochlorinated... Yes Modified OECD Screening Test 82 %

▼ **12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
Alanine, N,N-bis(carboxymethyl...	No	-4	No data available
Paraffin,oils,sulfochlorinated...	No	2,27	No data available

▼ **12.4. Mobility in soil**

Alanine, N,N-bis(carboxymethyl...: Log Koc= -3,0892, Calculated from LogPow ().
 Paraffin,oils,sulfochlorinated...: Log Koc= 1,876013, Calculated from LogPow (High mobility potential.).

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

Product is not covered by regulations on dangerous waste.

Waste

EWC code
 20 01 29* detergents containing dangerous substances

Specific labelling

-

Contaminated packing

No specific requirements.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

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 MARPOL 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

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.

Demands for specific education

-

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

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 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

-

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data. 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

MH

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

2016-09-28

According to EC-Regulation 2015/830



Date of last minor change
(Last cipher in SDS version)
2016-10-12

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