SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Nilfisk Tile and Linoleum Detergent_125300429
Product no.
125300429
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.com@nilfisk.com
SDS date
2019-05-09
SDS Version
4.0

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)
Not applicable
▼Signal word
-
▼Hazard statement(s)
Not applicable
▼Precautionary statements

General	-
Prevention	-
Response	-
Storage	-
Disposal	-

Identity of the substances primarily responsible for the major health hazards
Not applicable

2.3. Other hazards

Not applicable

Additional labelling

UFI: HKW1-P08K-R00Y-W29Q. Safety data sheet available on request. (EUH210)

Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Fatty alcohol ethoxylate
IDENTIFICATION NOS.:	CAS-no: 69011-36-5 EC-no: - REACH-no: 02-2119549526-31-0000
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Eye Dam. 1, Acute Tox. 4 H318, H302
NAME:	Citric Acid
IDENTIFICATION NOS.:	CAS-no: 77-92-9 EC-no: 201-069-1
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NAME:	Alkylpolyglycoside C8-10
IDENTIFICATION NOS.:	CAS-no: 68515-73-1 EC-no: 500-220-1 REACH-no: 01-2119488530-36
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Eye Dam. 1 H318
NAME:	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
IDENTIFICATION NOS.:	CAS-no: 164462-16-2 REACH-no: 01-0000016977-53
CONTENT:	0.1 - <0.25%
CLP CLASSIFICATION:	Met. Corr. 1 H290
NAME:	fragrance
IDENTIFICATION NOS.:	-
CONTENT:	<0.1%
CLP CLASSIFICATION:	NA
NAME:	sodium hydroxide
IDENTIFICATION NOS.:	CAS-no: 1310-73-2 EC-no: 215-185-5 Index-no: 011-002-00-6
CONTENT:	<0.01%
CLP CLASSIFICATION:	Skin Corr. 1A H314
NAME:	Colour
IDENTIFICATION NOS.:	-
CONTENT:	<0.0015%
CLP CLASSIFICATION:	NA

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

Other information

ATEmix(oral) > 2000

Detergent:
< 5%: NON-IONIC SURFACTANTS, PERFUMES, COLORANT

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 0344 892 0111 (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 person into fresh air and stay with him/her.

Skin contact

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

Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and 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

Nothing special

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

Nothing 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

Nothing 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

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.

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
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 (Alkylpolyglycoside C8-10): 595000 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Alkylpolyglycoside C8-10): 420 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Alkylpolyglycoside C8-10): 357000 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alkylpolyglycoside C8-10): 35,7 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alkylpolyglycoside C8-10): 124 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

PNEC (Alkylpolyglycoside C8-10): 0,176 mg/L
Exposure: Freshwater

PNEC (Alkylpolyglycoside C8-10): 0,0176 mg/L
Exposure: Marine water

PNEC (Alkylpolyglycoside C8-10): 0,27 mg/L
Exposure: Intermittent release

PNEC (Alkylpolyglycoside C8-10): 560 mg/L
Exposure: Sewage Treatment Plant

PNEC (Alkylpolyglycoside C8-10): 1,516 mg/kg
Exposure: Freshwater sediment

PNEC (Alkylpolyglycoside C8-10): 0,152 mg/kg
Exposure: Marine water sediment

PNEC (Alkylpolyglycoside C8-10): 0,654 mg/kg
Exposure: Soil

8.2. Exposure controls

Compliance with the accepted 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

▼ Not applicable

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

▼Skin protection

No specific requirements.

▼Hand protection

No specific requirements.

▼Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Blue
Odour	Lemon like
Odour threshold (ppm)	No data available.
pH	10,0
Viscosity (40°C)	No data available.
Density (g/cm³)	1,02
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	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.

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

Nothing 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: Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 2000 mg/kg

Substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: > 2000 mg/kg

Substance: Alkylpolyglycoside C8-10
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 5000 mg/kg

Substance: Alkylpolyglycoside C8-10
Species: -
Test: LD50
Route of exposure: Dermal
Result: > 5000 mg/kg

Substance: Citric Acid
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 6730 mg/kg

Substance: Citric Acid
Species: Rabbit
Test: LD50
Route of exposure: Oral
Result: > 7000 mg/kg

Substance: Citric Acid
Species: Mouse
Test: LD50
Route of exposure: Oral
Result: 5400 mg/kg

Substance: Fatty alcohol ethoxylate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 500 - 2000 mg/kg

Substance: Fatty alcohol ethoxylate
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: > 4000 mg/kg

Skin corrosion/irritation

Data on substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Test: OECD Guideline 404
Organism: Rabbit
Result: Ikke irriterende

Data on substance: Alkylpolyglycoside C8-10
Test: OECD Guideline 404
Organism: Rabbit
Result: Ikke irriterende

Serious eye damage/irritation

Data on substance: Alkylpolyglycoside C8-10

Respiratory or skin sensitisation

Data on substance: Alkylpolyglycoside C8-10

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: Alkylpolyglycoside C8-10
No adverse effect observed.

Data on substance: Fatty alcohol ethoxylate
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: Alkylpolyglycoside C8-10
No adverse effect observed.

Data on substance: Fatty alcohol ethoxylate
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: Alkylpolyglycoside C8-10
No adverse effect observed.

Data on substance: Fatty alcohol ethoxylate
No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

Data on substance: Alkylpolyglycoside C8-10
No adverse effect observed.

Long term effects

Nothing special

SECTION 12: Ecological information

12.1. Toxicity

Substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Species: Fish
Test: LC50
Duration: 96 h
Result: > 200 mg/L

Substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Species: Daphnia
Test: EC50
Duration: 48 h
Result: > 200 mg/L

Substance: Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Species: Algae
Test: EC50
Duration: 72 h
Result: > 200 mg/L

Substance: Alkylpolyglycoside C8-10
Species: Fish
Test: LC50
Duration: 96 h
Result: > 100 mg/L

Substance: Alkylpolyglycoside C8-10
Species: Daphnia
Test: EC50
Duration: 48 h
Result: > 100 mg/L

Substance: Alkylpolyglycoside C8-10
Species: Algae
Test: EC50
Duration: 72 h
Result: > 10 - < 10072 h

Substance: Citric Acid
Species: Daphnia
Test: EC0
Duration: -
Result: 80 mg/L

Substance: Citric Acid
Species: Fish
Test: EC0
Duration: -
Result: 625 mg/L

Substance: Citric Acid
Species: Algae
Test: EC0
Duration: -
Result: 640 mg/L

Substance: Fatty alcohol ethoxylate
Species: Fish
Test: LC50
Duration: 96 h
Result: 10 - 100 mg/L

Substance: Fatty alcohol ethoxylate
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 10 - 100 mg/L

Substance: Fatty alcohol ethoxylate
Species: Algae
Test: EC50
Duration: 72 h
Result: 10 - 100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Alkylpolyglycoside C8-10	Yes	No data available	No data available
Fatty alcohol ethoxylate	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Alanine, N,N-bis(carboxymethyl...	No	-4	No data available
Alkylpolyglycoside C8-10	No	No data available	No data available
Fatty alcohol ethoxylate	No	No data available	No data available

12.4. Mobility in soil

Alanine, N,N-bis(carboxymethyl...: Log Koc= -3,0892, Calculated from LogPow ().

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

Nothing special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste
EWC code
-

Specific labelling
Not applicable

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
-

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.

Seveso
-

Sources

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

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

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, 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)

2019-04-24(3.0)

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

2019-04-24