

## SAFETY DATA SHEET

**Nilfisk Grill & Metal Cleaner\_125300393**

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

## 1.1. Product identifier

## Trade name

Nilfisk Grill &amp; Metal Cleaner\_125300393

## Product no.

125300393

## Unique formula identifier (UFI)

MM80-108S-U000-095D

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

## Relevant identified uses of the substance or mixture

Cleaning product

## Uses advised against

No special

## 1.3. Details of the supplier of the safety data sheet

## Company and address

**Nilfisk A/S**

Kornmarksvej 1

2605 Brøndby

Denmark

+45 43 23 40 50

www.nilfisk.dk

## Contact person

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## E-mail

sds.com@nilfisk.com

## SDS date

2021-03-23

## SDS Version

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

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.

## 2.2. Label elements

## Hazard pictogram(s)



## Signal word

**Warning**

**Hazard statement(s)**

Causes skin irritation.

Causes serious eye irritation.

**Safety statement(s)**

**General**

P101, If medical advice is needed, have product container or label at hand.

P102, Keep out of reach of children.

**Prevention**

P280, Wear face shield / protective gloves.

**Response**

P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313, If eye irritation persists: Get medical advice/attention.

**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/Ingredient name	Identifiers	% w/w	Classification	Note
Fatty alcohol ethoxylate	CAS No.: 69011-36-5 EC No.: 500-241-6 REACH No.: 01-2119976362-32-0000 Index No.:	1-3%	Acute Tox. 4, H312 Acute Tox. 4, H332 Acute Tox. 4, H302 Eye Dam. 1, H318 (SCL: 10.00 %)	
Sodium Metasilicate	CAS No.: 6834-92-0 EC No.: 229-912-9 REACH No.: 01-2119449811-37-0000 Index No.: 014-010-00-8	1-3%	STOT SE 3, H335 Skin Corr. 1B, H314	
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	CAS No.: 164462-16-2 EC No.: REACH No.: 01-0000016977-53 Index No.:	1-3%	Met. Corr. 1, H290	

Disodiumcocoamphodipropionate	CAS No.: 68604-71-7 EC No.: 271-704-5 REACH No.: Index No.:	<1%	Eye Irrit. 2, H319
acetic acid ... %	CAS No.: 64-19-7 EC No.: 200-580-7 REACH No.: 01-2119475328-30-0000 Index No.: 607-002-00-6	<1%	Skin Corr. 1A, H314 (SCL: 90.00 %) Flam. Liq. 3, H226
sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 REACH No.: 01-2119457892-27-0000 Index No.: 011-002-00-6	<0.05%	Skin Corr. 1A, H314

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

#### Other information

EU: European occupational exposure limit

#### Labelling of contents according to Detergents Regulation 648/2004

< 5%

- Amphoteric surfactants
- Non-ionic 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.

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

IF ON SKIN: Wash with plenty of water / water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### 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

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 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

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 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.

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

—  
 acetic acid ... %  
 Long term exposure limit (8 hours) (ppm): 10  
 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 25  
 Short term exposure limit (15 minutes) (ppm): 20  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 50

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
 EH40/2005 Workplace exposure limits (Fourth Edition 2020)

#### DNEL

No data available

#### PNEC

No data available

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### 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

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 a local 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

Work situation	Type	Class	Colour	Standards
-	S/SL	P2	White	EN149



##### Skin protection

Work situation	Recommended	Type/Category	Standards
	No special when used as intended	-	-

##### Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
	Nitrile	0,3	>120	EN374-2



### Eye protection

Work situation	Type	Standards
	In the likelihood of direct or incidental exposure, use face protection.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Form

Liquid

#### Colour

Colourless

#### Odour

Characteristic

#### Odour threshold (ppm)

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

#### pH

11,0

#### Density (g/cm<sup>3</sup>)

1.03

#### 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)

1.00 °C

##### 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)

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

#### 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 the section "Handling and storage".

#### 10.3. Possibility of hazardous reactions

No special

#### 10.4. Conditions to avoid

No special

#### 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

Product/Ingredient name	Fatty alcohol ethoxylate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 500 - 2000 mg/kg ·
Other information	

Product/Ingredient name	Fatty alcohol ethoxylate
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	> 4000 mg/kg ·
Other information	

Product/Ingredient name	Sodium Metasilicate
Test method	
Species	Rat
Route of exposure	Oral

Test LD50  
 Result 1280 mg/kg ·  
 Other information

Product/Ingredient name Alanine, N,N-bis(carboxymethyl)-, trisodium salt  
 Test method  
 Species Rat  
 Route of exposure Oral  
 Test LD50  
 Result > 2000 mg/kg ·  
 Other information

Product/Ingredient name Alanine, N,N-bis(carboxymethyl)-, trisodium salt  
 Test method  
 Species Rat  
 Route of exposure Dermal  
 Test LD50  
 Result > 2000 mg/kg ·  
 Other information

Product/Ingredient name acetic acid ... %  
 Test method  
 Species Rat  
 Route of exposure Inhalation  
 Test LC50  
 Result 16000 ppm/4 h ·  
 Other information

Product/Ingredient name acetic acid ... %  
 Test method  
 Species Rabbit  
 Route of exposure Dermal  
 Test LD50  
 Result 1060 mg/kg ·  
 Other information

Product/Ingredient name acetic acid ... %  
 Test method  
 Species Rat  
 Route of exposure Oral  
 Test LD50  
 Result 3310 mg/kg ·  
 Other information

#### Skin corrosion/irritation

Product/Ingredient name Alanine, N,N-bis(carboxymethyl)-, trisodium salt  
 Test method



Species	Rabbit
Duration	No data available.
Result	No adverse effect observed (Not irritating)
Other information	

Causes skin irritation.

#### 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

Product/Ingredient name	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Test method	
Species	
Conclusion	No adverse effect observed
Other information	

#### Carcinogenicity

Product/Ingredient name	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Test method	
Species	Rat
Route of exposure	
Target organ	
Duration	
Test	
Result	Negative
Conclusion	No adverse effect observed
Other information	

#### 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

No special

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/Ingredient	Fatty alcohol ethoxylate
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name  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 10 - 100 mg/L ·  
 Other information

Product/Ingredient name Fatty alcohol ethoxylate  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result 10 - 100 mg/L ·  
 Other information

Product/Ingredient name Fatty alcohol ethoxylate  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test EC50  
 Result 10 - 100 mg/L ·  
 Other information

Product/Ingredient name Sodium Metasilicate  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 210 mg/L ·  
 Other information

Product/Ingredient name Sodium Metasilicate  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 96 hours  
 Test EC50  
 Result 216 mg/L ·  
 Other information

Product/Ingredient name Alanine, N,N-bis(carboxymethyl)-, trisodium salt  
 Test method  
 Species Fish

Compartment  
 Duration 96 hours  
 Test LC50  
 Result > 200 mg/L ·  
 Other information

Product/Ingredient name Alanine, N,N-bis(carboxymethyl)-, trisodium salt  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result > 200 mg/L ·  
 Other information

Product/Ingredient name Alanine, N,N-bis(carboxymethyl)-, trisodium salt  
 Test method  
 Species Algae  
 Compartment  
 Duration 72 hours  
 Test EC50  
 Result > 200 mg/L ·  
 Other information

Product/Ingredient name acetic acid ... %  
 Test method  
 Species Fish  
 Compartment  
 Duration 24 hours  
 Test LC50  
 Result 251 mg/L ·  
 Other information

Product/Ingredient name acetic acid ... %  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 96 hours  
 Test IC50  
 Result 47 mg/L ·  
 Other information

## 12.2. Persistence and degradability

Product/Ingredient name Fatty alcohol ethoxylate  
 Biodegradable Yes  
 Test  
 Result

### 12.3. Bioaccumulative potential

Product/Ingredient name	Fatty alcohol ethoxylate
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/Ingredient name	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
Test method	
Potential bioaccumulation	No
LogPow	-4,0000
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

Dispose of contents/container to an approved waste disposal plant.

#### EWC code

20 01 29\* Detergents containing dangerous substances

20 03 01 Mixed municipal waste

#### 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

#### IATA

Not applicable

"MARINE POLLUTANT"

No

### 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

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. Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

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).

Regulation (EC) 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H312, Harmful in contact with skin.

H332, Harmful if inhaled.

H302, Harmful if swallowed.

H318, Causes serious eye damage.

H335, May cause respiratory irritation.

H314, Causes severe skin burns and eye damage.

H290, May be corrosive to metals.

H319, Causes serious eye irritation.

H226, Flammable liquid and vapour.

#### 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

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

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

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

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

MH

#### 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