

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Nilfisk Intensive\_105301643\_105301644\_105301645\_105301646\_105301647

**Product no.**

-

**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 industrial purposes

**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**

2016-12-21

**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

Eye Dam. 1; H318

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**▼ Hazard pictogram(s)****Signal word**

Danger

**Hazard statement(s)**

Causes serious eye damage. (H318)

**Safety statement(s)**

General

**Prevention  
Response**

Wear eye protection. (P280).  
Immediately call a POISON CENTER/doctor. (P310).  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).

**Storage  
Disposal**

-  
-

▼ **Identity of the substances primarily responsible for the major health hazards**

Tetrasodium, ethylenediaminetetraacetate, fatty alcohol alkoxylate, Fedtalkoholethoxylat

▼ **2.3. Other hazards**

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

**Additional labelling**

-

**Additional warnings**

**VOC**

-

### SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: (2-methoxymethylethoxy)propanol  
IDENTIFICATION NOS.: CAS-no: 34590-94-8 EC-no: 252-104-2  
CONTENT: 15-25%  
CLP CLASSIFICATION: NA  
NOTE: SL

NAME: Tetrasodium, ethylenediaminetetraacetate  
IDENTIFICATION NOS.: CAS-no: 64-02-8 EC-no: 200-573-9 Index-no: 607-428-00-2  
CONTENT: 5-10%  
CLP CLASSIFICATION: Acute Tox. 4, Eye Dam. 1  
H302, H318, H332

NAME: natriumcumensulfonat  
IDENTIFICATION NOS.: CAS-no: 28348-53-0 EC-no: 248-983-7  
CONTENT: 1-3%  
CLP CLASSIFICATION: Eye Irrit. 2  
H319

NAME: fatty alcohol alkoxylate  
IDENTIFICATION NOS.: CAS-no: - EC-no: Polymer REACH-no: 02-2119552440-48-0000  
CONTENT: 1-3%  
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1  
H315, H318

NAME: Fedtalkoholethoxylat  
IDENTIFICATION NOS.: CAS-no: 69011-36-5 EC-no: - REACH-no: 02-2119549526-31-0000  
CONTENT: 1-3%  
CLP CLASSIFICATION: Eye Dam. 1, Acute Tox. 4  
H318, H302

NAME: natriumcarbonat  
IDENTIFICATION NOS.: CAS-no: 497-19-8 EC-no: 207-838-8 Index-no: 011-005-00-2  
CONTENT: 1-3%  
CLP CLASSIFICATION: Eye Irrit. 2  
H319

NAME: citronsyre  
IDENTIFICATION NOS.: CAS-no: 77-92-9 EC-no: 201-069-1  
CONTENT: <1%  
CLP CLASSIFICATION: Eye Irrit. 2  
H319

NAME: 2-phosphonobutan-1,2,4-tricarboxylsyre  
IDENTIFICATION NOS.: CAS-no: 37971-36-1 EC-no: 253-733-5  
CONTENT: <1%  
CLP CLASSIFICATION: Met. Corr. 1, Eye Irrit. 2  
H290, H319

(\*) 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(inhale, vapour) > 20  
ATEmix(inhale, dust/mist) > 20  
ATEmix(inhale, dust/mist) > 20000  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000  
Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 2,6944 - 4,0416  
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,2136 - 0,3204  
Detergent:  
5 - 15%: EDTA AND SALTS THEREOF  
< 5%: 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. 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 with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

#### ▼ 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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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.

## 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**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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**

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

**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. Avoid direct contact with the product.

▼ **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**

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼ **DNEL / PNEC**

No data available

**8.2. Exposure controls**

▼ Control is unnecessary if the product is used as intended.

**General recommendations**

▼ Observe general occupational hygiene standards.

**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**

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 gas or dust.

▼ **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**

Keep damming materials near the workplace. If possible, collect spillage during work.

**Individual protection measures, such as personal protective equipment**



▼ **Generally**

Use only CE marked protective equipment.

▼ **Respiratory Equipment**

Recommended: S/SL. P2 . White

▼ **Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

▼ **Hand protection**

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

▼ **Eye protection**

Wear safety glasses with side shields.

**SECTION 9: Physical and chemical properties**

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

Form	Liquid
Colour	Grass green
Odour	Characteristic
pH	11,4
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1,068

▼ **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
2-phosphonobutan-1,2,4-tricarb...	Rat	LD50	Oral	> 6500 mg/kg
2-phosphonobutan-1,2,4-tricarb...	Rat	LD50	Dermal	> 4000 mg/kg
2-phosphonobutan-1,2,4-tricarb...	Rat	LD50	Oral	> 6730 mg/kg
citronsyre	Rabbit	LD50	Oral	> 7000 mg/kg
citronsyre	Mouse	LD50	Oral	5400 mg/kg
citronsyre	Rat	LC50	Inhalation	2,3 mg/L/2 h
citronsyre	Rat	LD50	Oral	4090 mg/kg
natriumcarbonat	Rat	LD50	Oral	> 500 - 2000 mg/kg
natriumcarbonat	Rat	LD50	Dermal	> 4000 mg/kg
Fedtalkoholethoxylat	Rat	LD50	Oral	7000 mg/kg
Fedtalkoholethoxylat	Rat	LD50	Oral	> 2000 mg/kg
natriumcumensulfonat	Rat	LD50	Oral	> 5000 mg/kg
Tetrasodium, ethylenediaminete...	Rabbit	LD50	Dermal	9510 mg/kg
(2-methoxymethylethoxy)propano.	Rat	LC50	Inhalation	3,35 mg/L
..				
(2-methoxymethylethoxy)propano.				
..				
(2-methoxymethylethoxy)propano.				
..				

#### ▼ Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

No data available.

#### ▼ Germ cell mutagenicity

Data on substance: Fedtalkoholethoxylat

No adverse effect observed.

#### ▼ Carcinogenicity

Data on substance: Fedtalkoholethoxylat

No adverse effect observed.

#### ▼ Reproductive toxicity

Data on substance: Fedtalkoholethoxylat

No adverse effect observed.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### ▼ Long term effects

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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.

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

Substance	Species	Test	Duration	Result
2-phosphonobutan-1,2,4-tricarb...	Fish	EC0	-	> 1000 mg/L
2-phosphonobutan-1,2,4-tricarb...	Daphnia	EC0	24 h	> 300 mg/L
2-phosphonobutan-1,2,4-tricarb...	Algae	EC0	72 h	1300 mg/L

tricarb...	Daphnia	EC0	-	80 mg/L
2-phosphonobutan-1,2,4-	Fish	EC0	-	625 mg/L
tricarb...	Algae	EC0	-	640 mg/L
citronsyre	Fish	LC50	96 h	300 mg/L
citronsyre	Daphnia	EC50	48 h	265 mg/L
citronsyre	Fish	LC50	96 h	10 - 100 mg/L
natriumcarbonat	Daphnia	EC50	48 h	10 - 100 mg/L
natriumcarbonat	Algae	EC50	72 h	10 - 100 mg/L
Fedtalkoholethoxylat	Fish	LC50	96 h	> 100 mg/l
Fedtalkoholethoxylat	Daphnia	EC50	48 h	> 100 mg/l
Fedtalkoholethoxylat	Fish	LC50	96 h	> 1000 mg/L
Tetrasodium,	Daphnia	LC50	48 h	1919 mg/L
ethylenediaminete...	Algae	ErC50	96 h	> 969 mg/L
Tetrasodium,				
ethylenediaminete...				
(2-				
methoxymethylethoxy)propano.				
..				
(2-				
methoxymethylethoxy)propano.				
..				
(2-				
methoxymethylethoxy)propano.				
..				

## 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Fedtalkoholethoxylat	Yes	No data available	No data available

## ▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Fedtalkoholethoxylat	No	No data available	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

No special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### ▼ Waste

EWC code

20 01 29

detergents containing dangerous substances

#### Specific labelling

-

#### ▼ 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

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

-

According to EC-Regulation 2015/830

**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.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### 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.

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.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

#### 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 health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) 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)

2016-02-04

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

2016-02-04