

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006

SECTION 1: Identification of the substance/preparation and of the company/undertaking**1.1. Product identifier:**

Vaska upp- og niðurvask – All-purpose detergent

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

All-purpose detergent.

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

Kemilux

Mykinesgøta 1 - P.O.Box 1231

FO-110 Tórshavn - Faroe Islands

Phone: +298 662000 - Fax +298 350831

Responsible person for the safety data sheet (e-mail): alttox@alttox.dk

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647

NHS 24 (Scotland): Dial 111

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture:**

Liquid with risk of serious damage to eyes.

CLP (1272/2008): Eye Dam. 1;H318

2.2. Label elements:Contents: Alcohol ethoxylate, C₁₂₋₁₄**DANGER**

H318: Causes serious eye damage.

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

P102: Keep out of reach of children.

P280: Wear eye protection/face protection.

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

P501: Dispose of contents/container in accordance with applicable regulations.

2.3. Other hazards: None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

SECTION 3: Composition/information on ingredients**3.2. Mixtures:** Water, surfactants, phosphates, silicates, perfume and the below classified substance:

| % w/w | Substance name | CAS-no. | EC-no. | Index-no. | REACH reg.no. | Classification |
|-------|--|------------|---------|-----------|---------------|--------------------------------------|
| 5-10 | Alcohol ethoxylate, C ₁₂₋₁₄ | 68439-50-9 | Polymer | - | - | Acute Tox. 4;H302 Eye Dam. 1;H318 |

Wording of hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Move to fresh air. Keep at rest. If needed: seek medical advice.

Skin: Remove all contaminated clothing. Wash skin with water and mild soap. If symptoms persist: Seek medical advice.

Eye contact: Immediately flush with water or physiological salt water for at least 15 minutes, holding eye lids open, remember to remove contact lenses, if any. Get medical attention; continue to flush on the way.

Ingestion: Rinse mouth and drink plenty of water. If needed: seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed:

Irritation of eyes and possibly slight irritation of the lungs and skin. Frequent or prolonged skin contact may degrease skin, cause eczema, cracking, redness and itching.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Not relevant. Not flammable.

5.2. Special hazards arising from the substance or mixture:

Do not inhale smoke fumes. At fire, the product may form hazardous decomposition products such as oxides of carbon.

5.3. Advice for fire fighters:

Use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8. Avoid further spreading. Provide adequate ventilation.

6.2. Environmental precautions:

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Mop up minor quantities with a wet cloth. Absorb larger quantities spilled liquid with inert material and place in a suitable container for disposal. Clean with water. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid breathing particles. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Wash promptly if skin becomes contaminated. After work, wash hands with water and mild soap. Required access to water and eye wash fountain.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed original container and in a well-ventilated area.

Store securely and out of reach of unauthorized personnel and separated from food, feed, drugs etc.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Occupational exposure limits (EH40/2005): None

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: None special.

Personal protective equipment:

Respiratory protection: None by normal use. In case of insufficient ventilation or when atomizing, use an approved mask (EN149) with a particle filter: P2. The filter has a limited lifetime and must be changed. Read the instruction.

Skin protection: Wear protective gloves (EN374) of e.g. neopren or nitrile rubber (>0.3 mm). It has not been possible to find any data for breakthrough time, so it must be recommended to change the glove if spilled on it.

Eye protection: Wear tight fitting safety goggles (EN166) when risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

| | |
|--|--------------------------------|
| Appearance: | Clear liquid |
| Odour: | Perfumed |
| Odour threshold: | Not determined |
| pH: | 9.0 (concentrate) 8 (solution) |
| Melting point / freezing point (°C): | No available data |
| Initial boiling point and boiling range (°C): | No available data |
| Decomposition temperature (°C): | No available data |
| Flash point (°C): | > 93 |
| Evaporation rate: | No available data |
| Flammability (solid, gas): | No available data |
| Upper/lower flammability or explosive limits (vol.-%): | Not relevant |
| Vapour pressure (mbar, 25°C): | No available data |
| Vapour density (air=1): | No available data |
| Relative density (g/ml): | 1.00 |
| Solubility: | Miscible |
| Partition coefficient: n-octanol/water, Log Kow: | No available data |
| Auto-ignition temperature (°C): | Not relevant |
| Viscosity: | No available data |
| Explosive properties: | Not relevant |
| Oxidising properties: | Not relevant |

9.2. Other information: None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available data

10.2. Chemical stability:

Stable under normal conditions (see section 7). Not flammable.

10.3. Possibility of hazardous reactions:

None known.

10.4. Conditions to avoid:

Excessive heating or freezing.

10.5. Incompatible materials:

Generally avoid mixing with other chemicals, especially acids, alkali and other detergents.

10.6. Hazardous decomposition products:

In case of fire, the product may form hazardous decomposition products such as oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

| Hazard class | Data (data for Alcohol ethoxylate, C ₁₂₋₁₄) | Test | Data source |
|-----------------------|---|---------------|-------------|
| Acute toxicity: | | | |
| Inhalation | LC ₅₀ (rat) = > 20 mg/l/4h | No info | Supplier |
| Dermal | LD ₅₀ (rat) = > 2000 mg/kg | No info | Supplier |
| Oral | LD ₅₀ (rat) = 300-2000 mg/kg | No info | Supplier |
| | LD ₅₀ (rat) = > 2000 mg/kg | No info | Supplier |
| Corrosion/irritation: | Irritation to severe irritation to skin and eye, rabbit | OECD 404, 405 | Supplier |
| Sensitization: | No skin sensitization, guinea pig | OECD 406 | Supplier |
| CMR: | No observed mutagenicity | AMES | Supplier |

Routes of exposure: Skin, lungs and gastrointestinal tract.

Symptoms:

Inhalation: Atomized product or vapours can irritate the upper respiratory tract. Symptoms can be headache, fatigue, nausea and malaise

Skin: Can cause irritation with redness pain and itching.

Eyes: Can cause serious eye damage with redness, pain and lasting damage to eyesight.

Ingestion: Irritating to corrosive for the mucous membranes in mouth, throat and stomach. Symptoms can be nausea, stomachache, vomiting and headache.

Chronic effects: Prolonged or frequent skin contact can cause irritation.

SECTION 12: Ecological information

12.1. Toxicity:

| Aquatic | Data (Alcohol ethoxylate C ₁₂₋₁₄) | Test (Media) | Data source |
|-------------|---|--------------|-------------|
| Fish | LC ₅₀ (Danio rerio - 96h) = 1,5 mg/l | OECD 203 | Supplier |
| Crustaceans | EC ₅₀ (Daphnia magna - 48h) = 1,5 mg/l | OECD 202 | Supplier |
| Algae | EC ₅₀ (Selenastrum capricornutum - 72h) = 3,8 mg/l | OECD 201 | Supplier |

12.2. Persistence and degradability:

All surfactants in the mixture pass the ultimate biodegradability test according to EC regulation for surfactants in detergents. Alcohol ethoxylate C₁₂₋₁₄ is readily biodegradable (>70% BOD, 28d (OECD 301A, ECOTOC)).

12.3. Bioaccumulative potential:

Alcohol ethoxylate C₁₂₋₁₄: $1 < \log K_{ow} < 3$ – moderate bioaccumulative.

12.4. Mobility in soil:

Alcohol ethoxylate C₁₂₋₁₄: $\log K_{oc} \leq 100$ – large mobility in soil.

12.5. Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

12.6. Other adverse effects: None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

The mixture is to be considered as hazardous waste. Disposal should be according to local, state or national legislation. Waste should not be disposed of by release to sewers.

EWC-code:

20 01 29 (mixture itself) and 15 02 02 (Inert material contaminated with the mixture)

14. Transport information

Not dangerous goods (ADR/RID/IMDG/IATA).

14.1. UN-no.: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: None.

14.6. Special precautions for user: None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

The employer shall assess the working conditions and, if there is any risk to the safety or health and any effects on the pregnancy or breastfeeding of workers, take the necessary measures to adjust the working conditions (Directive 92/85/EEC).

Restricted use: Must not be used by persons under 18 years of age.

Other labelling, according to 648/2004:

5-15% Non-ionic surfactants

< 5% Anionic surfactants. Phosphates

Perfume, d-Limonene (for Original, Aloe Vera and Citrus)

15.2. Chemical Safety Assessment:

No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:

H302: Harmful if swallowed.

H318: Causes serious eye damage.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

EPA Ecotox = The US Environmental Protection Agency's database on ecotoxicological effects for chemicals.

IUCLID = International Uniform Chemical Information Database.

RTECS = Register of Toxic Effects of Chemical Substances.

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant

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