

SAFETY DATA SHEET

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

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

H80 – Water based degreaser

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

Degreasing.

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): altox@altox.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 that causes serious eye damage.

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 protective gloves/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:**

%w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
< 5	Alcohol ethoxylate, C ₁₂₋₁₄	61827-42-7	Polymer	-	-	Acute Tox. 4;H302 Eye Dam. 1;H318
< 5	Fatty acids C ₁₂₋₁₈ - Me-esters	68937-84-8	273-095-1	-	-	Skin Irrit. 2;H315

Wording of hazard statements - see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures:**

Inhalation: Move the affected person to fresh air. Keep at rest. If needed: get medical attention.

Skin contact: Remove all contaminated clothing. Wash skin with water and mild soap. If irritation persists: 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. **Do not induce vomiting.** Seek medical advice.**4.2. Most important symptoms and effects, both acute and delayed:**

Serious eye damage. Can irritate the upper respiratory tract

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: Firefighting measures

5.1. Extinguishing media:

Not flammable.

5.2. Special hazards arising from the substance or mixture:

Not relevant (the product is not combustible).

5.3. Advice for firefighters:

When extinguishing surrounding fires 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. Ventilate area of leak or spill.

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:

Take up with absorbent material (e.g. general-purpose binder) and place in marked container for disposal. Clean with water.

Further handling of spillage - see section 13.

6.4. Reference to other sections:

See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Change contaminated clothes immediately. Wash contaminated skin immediately with water and mild soap. Required access to water and eye wash fountain.

7.2. Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container. Keep in a dry, non-freezing and well ventilated place.

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: Ensure adequate ventilation

Personal protective equipment:

Inhalation: In case of inadequate ventilation: Use an approved mask with a particle filter: P2 (EN149). The filter has a limited lifetime and must be changed. Read the instruction.

Skin: Wear protective gloves of neoprene or nitrile (> 0.3 mm) (EN374). It has not been possible to find data for breakthrough time. In case of spill on the glove it is recommended to change it after use.

Eyes: Tightly fitting safety goggles (EN166).

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance:	Clear colourless liquid
Odour:	Weak
pH:	No available data
Melting point / freezing point (°C):	No available data
Initial boiling point and boiling range (°C):	~ 100
Decomposition temperature (°C):	No available data
Flash point (°C):	> 60
Evaporation rate:	No available data
Flammability (solid, gas):	Not relevant (liquid)
Upper/lower flammability or explosive limits (vol.-%):	No available data
Vapour pressure (mbar, 25°C):	No available data
Relative density (g/ml):	~ 1
Solubility:	Completely soluble in water
Auto-ignition temperature (°C):	No available data
Viscosity:	No available data
Explosive/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.

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 other detergents.

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) toxic gasses are formed such as oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	No available data.	-	-
Dermal	No available data.	-	-
Oral	LD ₅₀ (oral, rat) = 300-2000 mg/kg (Alcohol ethoxylate, C ₁₂₋₁₄)	No info.	CESIO
Corrosion/irritation:	Severe irritation, eye, rabbit (Alcohol ethoxylate, C ₁₂₋₁₄) Skin irritation, rabbit (Fatty acids C ₁₂₋₁₈ - Me-esters)	No info. No info.	CESIO CESIO
Sensitization:	No available/applicable data.	-	-
CMR:	No available/applicable data.	-	-

Information on likely routes of exposure: Inhalation, skin and ingestion.

Symptoms:

Inhalation: Atomized product can irritate the upper respiratory tract. Symptoms can be throat pain or coughing

Skin: May cause irritation with pain. Degreases skin.

Eyes: Severe irritation with redness, pain and blurred vision.

Ingestion: Irritation of the gastrointestinal tract with nausea, stomach ache, vomiting and diarrhoea.

Chronic effects: Long term or repeated skin contact with splashes and vapours may degrease the skin and cause red, dry, cracked and thickened skin.

SECTION 12: Ecological information

12.1. Toxicity:

Alcohol ethoxylate, C₁₂₋₁₄ is toxic in the aquatic environment.

Aquatic	Data	Test (Media)	Data source
Fish	LC ₅₀ (Rainbow trout - 96h) = 1-10 mg/l (Alcohol ethoxylate, C ₁₂₋₁₄)	OECD 203 (FW)	EPA Ecotox
Crustaceans	EC ₅₀ (Daphnia magna - 48h) = 1-10 mg/l (Alcohol ethoxylate, C ₁₂₋₁₄)	OECD 202 (FW)	EPA Ecotox
Algae	No available applicable data	-	-

12.2. Persistence and degradability:

The surfactants in the product pass the ultimate biodegradability test according to EC regulation for surfactants in detergents.

Alcohol ethoxylate, C₁₂₋₁₄/Fatty acids C₁₂₋₁₈- Me-esters are readily biodegradable (>60% CO₂/BOD, 28 d, OECD 301B+D).

12.3. Bioaccumulative potential:

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

12.4. Mobility in soil:

Alcohol ethoxylate, C₁₂₋₁₄: $\log K_{oc} \leq 15$ –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. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code:

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

SECTION 14: Transport information

Not dangerous goods (ADR/RID/IMDG).

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: No

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:

Other labelling information (648/2004/EC):

5-15% Non-ionic surfactants

< 5% Phosphates

15.2. Chemical Safety Assessment:

No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:

H302: Harmful if swallowed.

H315: Causes skin irritation.

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:

Section 1, 2, 3 (CLP)

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