

Ref. 2.5/GB/EN

KemFoamX 2500

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Revision Date: 25.03.2021

Previous date: 18.02.2020

Print Date:26.04.2021

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Commercial Product Name****KemFoamX 2500** Chemical name: (C16 - C18) Alkyl alcohol ethoxylate propoxylate, CAS 68002-96-0**1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture**

Defoamer, Process aid for industrial applications.

Recommended restrictions on use

Do not use for other purposes than the identified uses.

1.3 Details of the supplier of the safety data sheet

Kemira Oyj
P.O. Box 33000101 HELSINKI FINLAND
Telephone+358108611, Telefax. +358108621124
ProductSafety.FI.Helsinki@kemira.com

1.4 Emergency telephone number

Carechem 24 International (Europe): +44 (0) 1235 239 670

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification according to Regulation (EU) 1272/2008(CLP)**

Long-term (chronic) aquatic hazard; Category 4; May cause long lasting harmful effects to aquatic life.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Hazard statements	: H413	May cause long lasting harmful effects to aquatic life.
Precautionary statements	: P273	Avoid release to the environment.
	Disposal: P501	Dispose of contents/ container to an

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approved waste disposal plant.

Hazardous components which must be listed on the label:

- 68002-96-0 (C16 - C18) Alkyl alcohol ethoxylate propoxylate

2.3 Other hazards

Advice; Contaminated surfaces will be extremely slippery.

Remarks; This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
(C16 - C18) Alkyl alcohol ethoxylate propoxylate	68002-96-0	>= 99

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance. Get medical attention immediately if symptoms occur.

Inhalation

Move to fresh air. Call a physician if symptoms occur.

Skin contact

Wash off with plenty of water. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if symptoms occur.

Ingestion

Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

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Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media : Water mist
Carbon dioxide (CO₂)
Foam
Dry powder
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of: Fumes harmful gases and vapours Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Cool closed containers exposed to fire with water spray. Contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Contaminated surfaces will be extremely slippery.

Wear personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Do not allow contact with soil, surface or ground water.

6.3 Methods and materials for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

See Sections 7 and 8 for proper handling and protective measures and Section 13 for proper waste disposal measures.

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SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Protect from frost, heat and sunlight.

Incompatible products

Keep away from oxidizing agents and strongly acid or alkaline materials.

Materials for packaging

Suitable material: original container

Materials to avoid:

Strong acids and oxidizing agents

7.3 Specific end use(s)

Defoamer, Industrial use

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location. Wear suitable protective equipment.

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

Glove material: butyl-rubber, Break through time: 480 min, Glove thickness: 0.7 mm

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Glove material: Nitrile rubber, Break through time: 30 min, Glove thickness: 0.4 mm
 Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection

Safety glasses with side-shields conforming to EN166

Skin and body protection

Protective suit

Respiratory protection

No special protective equipment required. Ensure adequate ventilation. In the case of vapour formation use a respirator with an approved filter. Respiratory protection complying with EN 141. Type A (filter A-P2) (filter ABEK-P2)

8.2.3 Environmental exposure controls

Should not be released into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information (appearance, odour)

Physical state	liquid,
Colour	colourless, Yellowish
Odour	odourless
Odour Threshold	not determined

Important health safety and environmental information

pH	4 - 6 (20 °C) (DIN EN 1262)
Melting point/freezing point	ca. -7 °C
Boiling point/boiling range	Decomposes below the boiling point.
Flash point	> 100 °C (ASTM D 93)
Evaporation rate	No data available
Flammability (solid, gas) :	No data available
Explosive properties:	
Lower explosion limit	Not applicable

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Upper explosion limit	Not explosive, Not applicable
Vapour pressure	< 1 mbar (25 °C)
Relative vapour density	Literary reference
	not determined
Density	approximately 980 kg/m ³ (25 °C)
Relative density	ca. 0.98(25 °C,)
Bulk density	No data available, liquid
Solubility(ies):	
Water solubility	practically insoluble, dispersible
Solubility in other solvents	solvent-like: mineral oil
	soluble
	solvent-like: Hydrocarbons
	soluble
	solvent-like: Alcohols
	soluble
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	> 200 °C (DIN 51794)
Thermal decomposition	> 200 °C
Viscosity:	
Viscosity, dynamic	< 500 mPa.s
Viscosity, kinematic	not determined
Oxidizing	Based on the chemical structure, Not oxidizing

9.2 Other information

Surface tension	not determined
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

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Hazardous reactions : None reasonably foreseeable.

10.4 Conditions to avoid

Conditions to avoid : Hazardous polymerisation does not occur.
Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon oxides (COx)
: No decomposition if stored normally.

Thermal decomposition : > 200 °C

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50/Oral/Rat/Calculation method: > 2,000 mg/kg
Based on available data, the classification criteria are not met.
LC50/Inhalation:
No data available

LD50 Dermal/Dermal:
No data available

Irritation and corrosion

Skin: Rabbit:
Remarks: Literary reference
Based on available data, the classification criteria are not met.

Eyes: Rabbit:
Remarks: Literary reference
Based on available data, the classification criteria are not met.

Sensitisation

Based on available data, the classification criteria are not met.

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Long term toxicity

Repeated dose toxicity

Remarks: No information available.

Carcinogenicity

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Teratogenicity

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Aquatic toxicity**

Remarks: No data available

Toxicity to other organisms

Remarks: No data available

Remarks: No data available

12.2 Persistence and degradability

Biological degradability:

CO2 Evolution Test/OECD Test Guideline 301B/28 d: < 60 %

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Not readily biodegradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water: Not applicable

12.4. Mobility in soil**Mobility**

Vapour pressure: < 1 mbar (25 °C)

Water solubility: practically insoluble
(25 °C)

Surface tension: not determined

12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Adsorbed organic bound halogens (AOX):

Product does not contain any organic halogens.

None known.

Additional ecological information: Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Must be disposed of in accordance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number****Land transport**

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according Not applicable

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to Annex II of MARPOL 73/78 and
the IBC Code

14.8 Special precautions for user

None known.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Other regulations : None.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: OTHER INFORMATION**Full text of H-Statements referred to under section 3.**

H413 May cause long lasting harmful effects to aquatic life.

Training advice

Read the safety data sheet before using the product.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data used to compile the Safety Data Sheet

Regulations, databases, literature, own tests.

Additions, Deletions, Revisions

Relevant changes have been marked with vertical lines.