

**Safety Data Sheet**  
According to Regulation No 1907/2006/EG  
KLC Exfoam 10

Revision: 14.10.2015  
printing date: 14.10.2015

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

### 1.1. Product identifier

Product name: KLC Exfoam 10

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

Defoamer

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

KMU LOFT Cleanwater GmbH  
-Betriebsstätte Hausen-  
Krummattstraße 4  
D-79688 Hausen

Tel.: 07622/66696-0  
Fax: 07622/66696-20

Competent persons according to Regulation (EC) No. 1907 / 2006 Annex II:  
[sdb@kmu-loft.de](mailto:sdb@kmu-loft.de)

### 1.4. Emergency telephone number

Giftinformationszentrum Mainz – Tel.: +49 (0) 6131 19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Health risk                      severe eye damage/Eye irritation cat. 1  
H318

### 2.2. Label elements

#### 2.2.1. Labelling in accordance with the regulation (EG) Nr. 1272/2008

GHS Hazard symbol:              GHS05



Signal word:                      Danger

Hazardous contents  
for Labelling:                      Fatty alcohol C12-15, ethoxylated

H-Phrases:                      H318 Causes serious eye damage

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P-Phrases: P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician

## 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

-

### 3.2 Mixtures

#### Chemical characterisation:

Fatty acid esters and paraffin oil

#### Hazard ingredients:

|               |                                   |
|---------------|-----------------------------------|
| Ingredient    | Fatty alcohol C12-15, ethoxylated |
| CAS-N°        | 84133-50-6                        |
| EG-N°         | Polymer                           |
| CLP N°        | 02-2119912572-43-0000             |
| Concentration | 5-10%                             |

#### Classification according to Regulation (EG) N° 1272/2008 [CLP]

Eye dam 1 H318

Aqu. Acute 1 H400

Detailed wording of the above mentioned H- und EU H-phrases see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After skin contact:

Wash off with plenty of water, change soiled clothes.

#### After eye contact:

Wash immediately 10-15 min with plenty of water at open palpebral fissure. Seek doctor immediately.

#### After swallowing:

Rinse mouth and throat thoroughly with water.

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

No relevant information available

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

No relevant information available

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---

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Water, foam, CO<sub>2</sub>, dry media

### **5.2. Special hazards arising from the substance or mixture**

None

### **5.3. Advice for fire fighters**

None

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures:**

#### **Protection measures for persons:**

Absorb immediately because of danger of skidding.

#### **Personal protection clothing (PPE):**

Wear eye and hand protection.

### **6.2. Environmental precautions:**

Do not drain into groundwater.

Without pre-treatment (biological sewerage plant) this product must not be drained into the sewer or into any waters.

### **6.3. Methods and material for containment and cleaning up:**

#### **Methods of cleaning/ absorption**

Absorb with absorbent material for disposal.

### **6.4. Reference to other sections:**

Refer to section 8 for further information to PSA

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Instructions on safe handling:**

Avoid eye contact

#### **Instructions on fire und Explosion protection:**

Not applicable

### **7.2. Conditions for safe storage, including any incompatibilities:**

#### **Requirements for storage Areas und containers:**

Keep only in the original containers away from frost and heat

VCI-Storageclass: 10

### **7.3 Spezifische Endanwendungen**

For further information please refer to the instruction manual of the evaporator plant..

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

Workplace exposure limits: not specified

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## 8.2. Exposure controls:

### Recommended personal protective equipment:

#### General protection and Hygiene measures

Follow the usual good standards of occupational hygiene

### Respiratory protection:

In general not applicable

### Hand protection:

Protective gloves: persistent to chemicals according to EN 374.

The selection of suitable gloves does not depend only on the material but also on further characteristics particularly on the layer thickness. The penetration times must not fall below: 480 min (Full contact), or 30 min (splash contact) These minimum requirements have to be guaranteed by the manufacturer.

Use gloves of nitrile rubber (layer thickness 0,4 mm)

### Eye protection:

Protecting glasses

## SECTION 9: Physical and chemical properties

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

|                            |                        |
|----------------------------|------------------------|
| Form:                      | liquid                 |
| Colour:                    | yellowish              |
| Turbidity:                 | opal-turbid            |
| Odour:                     | characteristic         |
| pH-Value:                  | not applicable         |
| Boiling temperature:       | >300°C                 |
| Flash point:               | >170°C                 |
| Vapour density             | -                      |
| Vapourization rate:        | -                      |
| Density:                   | 0,88 g/cm <sup>3</sup> |
| Solubility in Water:       | emulsifiable           |
| Partition coefficient pOW: | -                      |
| Viscosity:                 | 200 - 400 mPas         |

### 9.2. Other information

Ionic character: nonionic

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable und normal conditions

### 10.3. Possibility of hazardous reactions

No hazardous reactions known of when properly stored and handled.

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### 10.4. Conditions to avoid

None under normal use

### 10.5. Incompatible materials

None

### 10.6. Hazardous decomposition products

None

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity LD 50 (rat oral): >5000 mg/kg (OECD401)

Skin: Prolonged skin contact may cause local irritation

Eyes: Irritant

### Further information:

Does not contain any cancerogenic, mutagenic or teratogenic components according TRGS 905 and the "Kanzergenitäts" 2004/37/EG guideline

## SECTION 12: Ecological information

### 12.1. Toxicity

Fish toxicity (LC50): 10-100 mg/L (OECD203)

Bacteria toxicity (EC50): >1000 mg/L (OECD209)

### 12.2. Persistence and degradability

#### Biol. eliminability :

>70% (OECD 302 B)

#### Biol. degradation

If the product is used as intended and appropriately discharged, no disturbance of the biodegradation activity of sludge in an adapted biological sewage treatment plant is expected.

### 12.3. Bioaccumulative potential

No evidence of bioaccumulation

### 12.4. Mobility in soil

No relevant information available

### 12.5. Results the PBT- and vPvB- assessment:

No relevant information available

### 12.6. Other adverse effects

Chem. oxygen demand COD: 3200 mg/g

Biol. oxygen demand BOD5: 440 mg/g

AOX: 0,00%

Heavy metal: The recipe does not contain heavy metals

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal with permission of the responsible authorities only.

Waste code number in accordance with the European waste catalogue, industry and process specific (AVV)

### SECTION 14: Transport information

#### 14.1. UN number

No dangerous goods in sense of the transport regulations

#### 14.2. UN proper shipping name

ADR/RID: not applicable

IMDG: not applicable

ICAO/IATA: not applicable

#### 14.3. Transport hazard class(es)

ADR/RID class: not applicable

IMDG class: not applicable

ICAO/IATA class: not applicable

#### 14.4. Packing group

ADR/RID

land transport: not applicable

IMDG: not applicable

ICAO/IATA: not applicable

#### 14.5 Environmental hazards

ADR/RID: not applicable

IMDG: not applicable

ICAO/IATA: not applicable

#### 14.6 Special precautions for user

None

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

### SECTION 15: Regulatory information

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

Hazardous Incident Ordinance: not specified

(12. BImSchV)

Water Hazard Class: 2 (Hazardous to water) (Self-classification)

Relevant to Waste Water Classification: 1  
(ARS der TEGEWA)

Technical Instructions on Air : not specified  
(TA-Luft)

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### 15.2. Chemical safety assessment

Chemical safety assessment: No data available

## SECTION 16: Other information

### Detailed wording of the H- and EU H-Phrases:

H318 Causes serious eye damage

H400 Very toxic to aquatic life

### Further Information:

The information above is based on our current knowledge and should describe our product in accordance to the necessary security measures. However it does not represent a guarantee of product properties nor does it create any legal obligation.

To the extent that this material data sheet derives information from previous years, it is nevertheless up to date, as we follow scrupulously the most current regulatory laws as well as the material-specific information from our suppliers. If such information evinces any need for changes, we revise our material safety data sheet without delay. Any industrial property rights as well as existing laws and regulations are to be heeded by the party receiving our product on their own legal responsibility. This material safety data sheet is based on data that were correct at the time of its preparation. In spite of the measures that we have taken, it is nevertheless possible that these data were not up to date or that they do not apply in the specific conditions of a particular situation. We are not responsible for possible damages or injuries that result from inappropriate use, a mistake made in connection with correct use, or through hazards that are not attributable to the nature of our product. The information contained in this material safety data sheet is to be made available to all who make use of this product.

### Abbreviations and acronyms:

|                   |   |
|-------------------|---|
| <b>ADR:</b>       | Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous Goods by Road)                   |
| <b>RID:</b>       | Reglement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) |
| <b>IMDG:</b>      | International Maritime Code for Dangerous Goods   |
| <b>IATA:</b>      | International Air Transport Association   |
| <b>IATA-DGR:</b>  | Dangerous Goods Regulations by the „International Air Transport Association“ (IATA)   |
| <b>ICAO:</b>      | International Civil Aviation Organization   |
| <b>ICAO-TI:</b>   | Technical Instructions by the „International Civil Aviation Organization“ (ICAO)  |
| <b>GHS:</b>       | Globally Harmonized System of Classification and Labelling of Chemicals   |
| <b>EINECS:</b>    | European Inventory of Existing Commercial Chemical Substances   |
| <b>CAS:</b>       | Chemical Abstracts Service (division of the American Chemical Society)  |
| <b>GefStoffV:</b> | Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  |
| <b>LC50:</b>      | Lethal concentration, 50 percent  |
| <b>LD50:</b>      | Lethal dose, 50 percent   |

**This information is based on our present state of knowledge of the supplier**

**Data validity:** With the appearance of this safety data sheet all earlier versions are herewith invalid.

**Changes to the previous version are marked with a ""**