



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

### 1.1 Product identifier

**Trade name: Fettlöser**

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

**Application of the substance / the mixture** Cleaning agent

### 1.3 Details of the supplier of the safety data sheet

#### **Manufacturer/Supplier:**

**Uni Sapon GmbH**

Industriepark Runa

Albert-Schädler-Straße 7

A-6800 Feldkirch

T: +43 5522 23440

Email: office@uni-sapon.com

#### **Further information obtainable from:**

Marion Reichart

Email: marion@uni-sapon.com

### 1.4 Emergency telephone number:

+43 5522 23440

Available during office hours:

Mo - Th: 08.00 - 12.00 h und 13.30 - 16.30 h

Fr: 08.00 - 12.00 h

**Call the national emergency number!**

## \* SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** void

**Hazard pictograms** void

**Signal word** void

**Hazard statements** void

**Precautionary statements**

P102 Keep out of reach of children.

**Additional information:**

EUH208 Contains Orange, sweet, extr. (Orangeoil sweet). May produce an allergic reaction.

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

(Contd. on page 2)



**Trade name: Fettlöser**

(Contd. of page 1)

**Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine-disrupting properties  $\geq 0.1$  %(w/w).

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 61788-65-6 EINECS: 262-993-9	potassium soap ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5 – < 10%
CAS: 8028-48-6 EINECS: 232-433-8 Reg.nr.: 01-2119493353-35-XXXX	Orange, sweet, extr. (Orangeoil sweet) Consisting of: 5989-27-5 (R)-p-mentha-1,8-diene (96%); 5392-40-5 Citral (1%); 78-70-6 Linalool (1%) Alternative CAS number: 8008-57-9 ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	< 1%
CAS: 110615-47-9 EC number: 600-975-8 Reg.nr.: 01-2119489418-23-XXXX	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C $\geq 30$ % Eye Dam. 1; H318: C $\geq 12$ %	< 0.5%
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36-XXXX	D-Glucopyranose, oligomers, decyl octyl glycosides ⚠ Eye Dam. 1, H318	< 0.5%

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

soap	$\geq 5$ - <15%
non-ionic surfactants	<5%
perfumes (LIMONENE)	

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

**After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Take off contaminated clothing and wash it before reuse.

(Contd. on page 3)



**Trade name: Fettlöser**

(Contd. of page 2)

Seek medical treatment in case of complaints.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment in case of complaints.

**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

Call a doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

In case of fire, dangerous combustion gases or vapours may be generated.

**5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Particular danger of slipping on leaked/spilled product.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

(Contd. on page 4)



**Trade name: Fettlöser**

(Contd. of page 3)

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
Keep receptacles tightly sealed.  
Avoid contact with skin and eyes.  
Avoid breathing mist/vapours/spray.  
Eye wash bottles and emergency showers should be provided in the immediate area near the workplace.  
Use personal protective equipment as required.  
Observe protective measures and safety instructions.

**Information about fire - and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a dry, cool, well-ventilated area.  
Store in accordance with local/regional/national/international regulations.

**Information about storage in one common storage facility:** Store away from incompatible materials.

**Further information about storage conditions:** Keep container tightly sealed.

**Recommended storage temperature:** room temperature

**Storage class:** 12

**7.3 Specific end use(s)** No further relevant information available.

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

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**DNELs**

**CAS: 8028-48-6 Orange, sweet, extr. (Orangeoil sweet)**

Oral	Long-term exposure - systemic effects	4.44 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	4.44 mg/kg bw/d (consumer) 8.89 mg/kg bw/d (workers)
	short-term exposure - local effects	0.0929 mg/cm <sup>2</sup> (consumer) 0.1858 mg/cm <sup>2</sup> (workers)
	Inhalative	Long-term exposure - systemic effects
		7.78 mg/m <sup>3</sup> (consumer) 31.1 mg/m <sup>3</sup> (workers)

**CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides**

Oral	Long-term exposure - systemic effects	35.7 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	357,000 mg/kg bw/d (consumer)
		595,000 mg/kg bw/d (workers)

(Contd. on page 5)

**Trade name: Fettlöser**

(Contd. of page 4)

Inhalative	Long-term exposure - systemic effects	124 mg/m <sup>3</sup> (consumer) 420 mg/m <sup>3</sup> (workers)
<b>PNECs</b>		
<b>CAS: 8028-48-6 Orange, sweet, extr. (Orangeoil sweet)</b>		
fresh water		5.4 µg/l
sea water		0.54 µg/l
intermittent release (fresh water)		5.77 µg/l
STP		2.1 mg/l
sediment (fresh water)		1.3 mg/kg dw
sediment (sea water)		0.13 mg/kg dw
soil		0.261 mg/kg dw
<b>CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides</b>		
fresh water		0.176 mg/l
sea water		0.018 mg/l
intermittent release (fresh water)		0.27 mg/l
STP		560 mg/l
sediment (fresh water)		1.516 mg/kg dw
sediment (sea water)		0.152 mg/kg dw
soil		0.654 mg/kg dw
oral		111.11 mg/kg food

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls****Appropriate engineering controls**

No further data; see section 7.

Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye wash bottles and emergency showers should be provided in the immediate area near the workplace.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

**Hand protection**

Persons with sensitive skin should wear protective gloves as a precaution.

(Contd. on page 6)



**Trade name: Fettlöser**

(Contd. of page 5)

EN 374

**Material of gloves**

Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**

Wear protective goggles if there is a risk of splashing.

EN 166

**Body protection:** Protective work clothing

**Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

**SECTION 9: Physical and chemical properties**

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

**General Information**

**Physical state**

Fluid

**Colour:**

orange - brown

**Odour:**

Characteristic

**Odour threshold:**

No information available.

**Melting point/freezing point:**

No information available.

**Boiling point or initial boiling point and boiling range**

≥ 100 °C (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)

**Flammability**

Not applicable.

**Lower and upper explosion limit**

**Lower:**

No information available.

**Upper:**

No information available.

**Flash point:**

Not applicable.

**Decomposition temperature:**

No information available.

**pH at 20 °C**

11

**Viscosity:**

**Kinematic viscosity**

No information available.

**Dynamic:**

No information available.

**Solubility**

**water:**

Fully miscible.

**Partition coefficient n-octanol/water (log value)**

68515-73-1 | D-Glucopyranose, oligomers, decyl octyl glycosides | 1,72 log Kow

**Vapour pressure at 20 °C:**

≤ 23 hPa (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)

(Contd. on page 7)



**Trade name: Fettlöser**

(Contd. of page 6)

**Density and/or relative density**

**Density:** No information available.

**Vapour density** No information available.

**9.2 Other information**

**Appearance:**

**Form:** Fluid

**Important information on protection of health and environment, and on safety.**

**Ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Change in condition**

**Softening point/range**

**Oxidising properties** No information available.

**Evaporation rate** No information available.

**Information with regard to physical hazard classes**

**Explosives** void

**Flammable gases** void

**Aerosols** void

**Oxidising gases** void

**Gases under pressure** void

**Flammable liquids** void

**Flammable solids** void

**Self-reactive substances and mixtures** void

**Pyrophoric liquids** void

**Pyrophoric solids** void

**Self-heating substances and mixtures** void

**Substances and mixtures, which emit flammable gases in contact with water** void

**Oxidising liquids** void

**Oxidising solids** void

**Organic peroxides** void

**Corrosive to metals** void

**Desensitised explosives** void

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** Acids

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 8)



Trade name: Fettlöser

(Contd. of page 7)

## \* SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****CAS: 8028-48-6 Orange, sweet, extr. (Orangeoil sweet)**

Oral LD50 &gt; 5,000 mg/kg (rat)

Dermal LD50 &gt; 5,000 mg/kg (Rabbit)

**CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides**

Oral LD50 &gt; 2,000 mg/kg (rat)

Dermal LD50 &gt; 2,000 mg/kg (Rabbit)

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation**

Contains Orange, sweet, extr. (Orangeoil sweet). May produce an allergic reaction.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:****CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides**

EC50 (48 h) &gt; 100 mg/l (daphnia)

LC50 (96 h) 100.81 mg/l (fish)

**12.2 Persistence and degradability**

The surfactant(s) contained in this mixture complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides 100 % (28 d)

**12.3 Bioaccumulative potential**

68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides 1,72 log Kow

**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.

(Contd. on page 9)





**Trade name: Fettleöser**

(Contd. of page 8)

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Additional ecological information:**

**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Only dispose of product residues via authorised companies according to local legislation.

**European waste catalogue**

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

20 01 29*	detergents containing hazardous substances
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**Uncleaned packaging:**

**Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

ADR/RID/ADN, IMDG, IATA not regulated

**14.2 UN proper shipping name**

ADR/RID/ADN, IMDG, IATA not regulated

**14.3 Transport hazard class(es)**

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

**14.4 Packing group**

ADR/RID/ADN, IMDG, IATA not regulated

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO**

instruments Not applicable.

UN "Model Regulation": not regulated

(Contd. on page 10)



Trade name: Fettlöser

(Contd. of page 9)

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU**

Named dangerous substances - ANNEX I None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

**Training hints**

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

**Department issuing SDS:**

UmEnA GmbH

<http://umena.at>Email: [office@umena.at](mailto:office@umena.at)**Date of previous version:** 16.03.2023**Version number of previous version:** 1.4

(Contd. on page 11)



**Trade name: Fettlöser**

(Contd. of page 10)

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**\* Data compared to the previous version altered.**