

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

Date/revised: 03/05/2015

### Product: tenetex for cotton, linen, ramie, denim – special washing agent for hand and machine washing

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier:

tenetex for cotton, linen, ramie, denim  
special washing agent for hand and machine washing

##### 1.2 Relevant identified uses:

Washing agent for textiles made of cotton, linen, ramie

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

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Federal Republic of Germany  
Tel. +49 (2161) 60 22 72  
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#### **Emergency Telephone - §45 - (EC) 1272/2008**

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**Denmark** +45 82 12 12 12

**Finland** +358 9 471977

**France** + 33 1 45 42 59 59

**Spain** + 34 91 562 04 20

**Germany** +49 551 19240

**The Netherlands** +31 30 2 74 88 88

**United Kingdom** +44 1 21 5 07 55 88

#### 2. Hazards identification

##### **Special hazards to man and environment according to 67/548/EC:**

##### **Symbols of danger:**

Xi – Irritant

##### **R-phrases:**

R36 Irritating to eyes

##### **S-phrases:**

S25 Avoid contact with eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S2 Keep out of reach of children

S46 If swallowed, seek medical advice immediately and show this container or label

**Special hazards to man and environment according to (EC) 1272/2008:**



**Signal word:**

Attention

**Hazard statement:**

H319 – Causes serious eye irritation

**Precautionary statement:**

**P305 + P351 + P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P301 + P312** – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

3. Composition/information on ingredients

3.1 Substances: This product is a mixture

List of ingredients according to Regulation EC 48/2004:

≥ 15 - < 30% anionic tensides

<5% fragrances (Amyl Cinnamal, Citronellol, Butylphenyl Methylpropional, Coumarin)

Others: Preservatives (potassium sorbate), aqua

3.2 Mixtures

| Chemical Name       | EG No.    | CAS No.    | Weight-% | Classification according to 67/548/EWG                    | Classification according to regulation (EG) No. 1272/2008 [CLP] | REACH Registration Number |
|---------------------|-----------|------------|----------|---|---|---------------------------|
| Alkyl ether sulfate | 500-234-8 | 68891-38-3 | < 10%    | Xi, R36/38  | Eye Irrit. (H319)<br>Skin Irrit. (H315)                         | 01-2119488639-16          |
| Potassium sorbate   | 246-376-1 | 24634-61-5 | < 1%     | Xi, R36   | Skin irrit. (H315)<br>Eye irrit.(H319)                          | 01-2119950315-41          |
| Citric Acid         | 20-069-1  | 77-92-9    | < 1%     | Xi, R36   | Eye Irrit. (H319)   | 01-2119457026-42          |
| Sodium Chloride     | 231-598-3 | 7647-14-5  | < 1%     | Not regarded as a health hazard under current legislation | Not regarded as a health hazard under current legislation       | No data available         |

#### 4. First aid measures

**General information:**

In case of adverse health effects seek medical advice.

**After inhalation:**

Not relevant.

**After skin contact:**

Rinse with water. Take off all clothing contaminated by the product.

**After eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**After ingestion:**

Rinse the mouth. Drink 1-2 glasses of water.

#### 5. Fire fighting measures

**Suitable extinguishing media:**

Foam, extinguishing powder, carbon dioxide, water spray jet

**Extinguishing media which must not be used for safety reasons:**

None known

**Special hazards by the product itself:**

None known

**Additional information:**

No particular measures required.

#### 6. Accidental release measures

**Personal precautions:**

Avoid contact with skin and eyes.

**Environmental precautions:**

Do not allow large amounts to be released into the sewer system.

**Methods for cleaning and take-up:**

Remove with liquid-absorbing material (sand, peat, sawdust).

#### 7. Handling and storage

**Handling:**

Ensure good ventilation/suction at the workplace.  
Avoid open flames.

**Storage:**

Store frost-free. Keep container tightly sealed.  
< + 30 °C

**Specific use:**

Special washing agent for textiles made of cotton, linen, ramie, denim.

8. Exposure controls/personal protection**Additional information for system design:**

No particular measures required.

**Respiratory protection:**

Not needed.

**Hand protection:**

Not needed.

**Eye protection:**

Protective goggles.

**General protection and hygiene measures:**

Do not eat, drink or smoke while working.

9. Physical and chemical properties

Delivery state: liquid

State: liquid

Odor: odorless

Color(s): whitish

Odour Threshold: Not available

pH-value (20 °C; Conc.: 100 g/l; Solvent: Water) 4,5 - 5,5 DGF H-III 1

Boiling point: Not available

Melting point: Not available

Pour point/range:  $\geq 0,0$  °C DIN ISO 3016-94

Flash point: Aqueous preparation

Flammability: Not available

Decomposition temperature: Not available

Autoignition temperature: Not available

Evaporation rate: Not available

Oxidizing properties: Not available

Upper/lower flammability or explosive limits: Not available

Vapor pressure: Not available

Density (20 °C): 0,9 - 1,1 g/cm<sup>3</sup> DGF C-IV 2

Vapour Density: Not available

Viscosity (dynamic) (Hoeppler; 20 °C)  $\leq 200$  mPas: no information

Solubilities (20 °C; Solvent: Water): unlimited soluble no information

Octanol/Water distribution coefficient: Not available

10. Stability and reactivity**Materials to avoid:**

None if used for intended purpose.

**Hazardous decomposition products:**

No decomposition if used according to specifications.

## 11. Toxicological information

**Toxicity of the product:** No relevant indications available.

### **Acute toxicity of the hazardous ingredients:**

Alkyl ether sulfate C12-14, sodium salt

CAS-Nr.: 68891-38-3

Acute oral toxicity:

LD50 > 2000 mg/kg body weight (rat)

Potassium sorbate

CAS-No: 24634-61-5

LD50 (oral, rat) >3800 mg/kg (literature)

Citric acid

CAS-No: 77-92-9

Toxicity to Animals: Acute oral toxicity (LD50): 3000 mg/kg [Rat].

Sodium chloride

CAS-No: 7647-14-5

Toxicity to fish: LC50 >10.000 mg/l (96 h) fish

Toxicity to daphnia: LC50 >3.000 mg/l (96) daphnia magna

Potassium sorbate

CAS-No: 24634-61-5

LD50 (oral, rat) >2000 mg/kg

### **Eye irritation:**

irritating

Method: OECD 405

GHS: Category 2

### **Sensitizing:**

Not available

### **Mutagenicity**

#### **In vitro mutagenicity:**

Not mutagenic

Method: OECD 471

GHS: No category

### **Carcinogenicity**

Not available

### **Reproductive toxicity**

Not available

### **STOT-single exposition**

Not available

**STOT-repeated exposition**

Not available

**Aspiration hazard**

Not available

12. Ecological information**Toxicity****Acute fish toxicity:**

LC50 > 10 - <= 100 mg product/l.

Method: ISO 7346/2 (semistatic)

GHS: Category 3 (not implemented in the EU)

**Acute bacterial toxicity:**

EC0 > 100 mg product/l.

Method: Acute bacterial toxicity according to test method OECD 209.

**Chronic fish toxicity:**

Not available

**Chronic invertebrae toxicity:**

Not available

**Primary degradation:**

According to the requirements of the EU Mandatory Standards for Detergents 82/242 (nonionic surfactants) and 82/243/EEC (anionic surfactants) the surfactants contained in the products are biodegradable to at least 90% on average.

**Ultimate biodegradation:**

Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO<sub>2</sub> liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached. GHS: No category

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

**Persistence**

Not available

**Bioaccumulative potential**

Not available

**Mobility in soil**

Not available

**Results of PBT and vPvB assessment**

Not available

### 13. Disposal considerations

**Product disposal:**

Disposal with the approval of the responsible local authority.

### 14. Transport information

**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

### 15. Regulatory information

**(EC) No. 648/2004:** The product fulfills the criteria laid down in regulation (EC) No. 648/2004.

**National regulations/information:**

WGK: 1, water-endangering product. (German VwVwS of May 17, 1999; Appendix 4)

### 16. Other information

**Risk phrases:**

**Full text of the R-phrases indicated by codes in this safety data sheet. The labelling of the product is indicated in Section 2.**

R36 irritating to eyes

**Hazard statement:**

**Full text of the R-phrases indicated by codes in this safety data sheet. The labelling of the product is indicated in Section 2.**

H319 – Causes serious eye irritation

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

**End of Data Safety Sheet**