

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name: TD Blue Action  
Revision date: 21.03.2014

KENTZLER  
KASCHNER  
DENTAL

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

### Trade name

TD Blue Action

### Item-No.

07891 – 1 l

07892 – 5 l

### Use of the Substance/Mixture

Cleaning Agent

### Producer

Kentzler-Kaschner Dental GmbH

### Street

Mühlgraben 36

### Place

D - 73479 Ellwangen

### Information

Phone +49/7961/90 73 0

### Telephone / Telefax / e-mail

Phone +49/7961/90 73 0 FAX: 07961/52031 /E-Mail: info@kkd-topdent.de

### Emergency telephone number

Phone +49/7961/90 73 0

## 02. Hazards identification

### Classification of the substance or mixture

#### R-Phrases

R 41 Risk of serious damage to eyes.

#### Kennzeichnungselemente



Xi - Irritant

#### R-Phrases

R 41 Risk of serious damage to eyes.

#### S-Phrases

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 39 Wear eye/face protection.

S 60 This material and its container must be disposed of as hazardous waste.

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## GHS Labelling



**Signal word:** Danger

## H-Sätze

H 318 Causes serious eye damage.

## P-Sätze

P 305 / P 351 / P 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

P 280 Wear protective gloves/protective clothing/eye protection/face protection.

P 501 Dispose of contents/container as hazardous waste.

## Special labelling of certain mixtures

Restricted to professional users.

## Detergents Regulation EC 907/2006

Anionic surfactants 15 % or over but less than 30 %

Non ionic surfactants 5 % or over but less than 15 %

## 03. Composition/information on ingredients

### Chemical nature - Mixtures

surfactants, anionic

surfactants, nonionic

### Hazardous components

Sulfonic acids, C13-17-sec-alkane, sodium salts

**CAS-No.:** 85711-69-9

**EC-No.:** 288-330-3

**Classification (67/548/EEC):** Xi; R38 - R41

**Classification (Regulation (EC)** Skin Irrit. 2; H315

**No. 1272/2008):** Eye Dam. 1; H318

**Concentration (%):** >= 10 - < 20 %

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Alcohol ethoxylate

**CAS-No.:** 61827-42-7  
**Classification (67/548/EEC):** Xn; R22  
Xi; R41  
**Classification (Regulation (EC) No. 1272/2008):** Acute Tox. 4; H302  
Eye Dam. 1; H318  
**Concentration (%):**  $\geq 3 - < 5 \%$

Fatty acid monoethanolamide

**CAS-No.:** 68140-00-1  
**EC-No.:** 268-770-2  
**Classification (67/548/EEC):** Xi; R41  
**Classification (Regulation (EC) No. 1272/2008):** Eye Dam. 1; H318  
**Concentration (%):**  $\geq 1 - 2.5 \%$

Fatty alcohols, C12-C14, ethoxylated, sulfates, sodium salts

**CAS-No.:** 68891-38-3  
**EC-No.:** 01-2119488639-16  
**Classification (67/548/EEC):** Xi; R38-R41  
**Classification (Regulation (EC) No. 1272/2008):** Skin Irrit. 2; H315  
Eye Dam. 1; H318  
Aquatic Chronic 3; H412  
**Konzentration (%):**  $\geq 1 - 2.5 \%$

Fatty alcohol ethoxylate

**CAS-No.:** 24938-91-8  
**Classification (67/548/EEC):** Xn; R22  
Xi; R41  
**Classification (Regulation (EC) No. 1272/2008):** Acute Tox. 4; H302  
Eye Dam. 1; H318  
**Konzentration (%):**  $\geq 1 - 2.5 \%$

For the full text of the R-phrases mentioned in this Section, see Section 16.  
For the full text of the H-Statements mentioned in this Section, see Section 16.  
For the full text of the Notas mentioned in this Section, see Section 16.

#### 04. First aid measures

##### General advice

Move out of dangerous area.  
Take off contaminated clothing and shoes immediately.  
Never give anything by mouth to an unconscious person.

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### If inhaled

Move to fresh air.

### In case of skin contact

Wash off with plenty of water.  
If symptoms persist, call a physician.

### In case of eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Consult a physician.

### If swallowed

Rinse mouth.  
Do NOT induce vomiting.  
Call a physician immediately.

### Symptoms

Gastrointestinal discomfort

### Treatment

Show this safety data sheet to the doctor in attendance.

## 05. Firefighting measures

### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Specific hazards during firefighting

Combustion may cause:  
Carbon monoxide  
Sulphur oxides  
nitrogen oxides (NOx)

### Special protective equipment for firefighters

Standard procedure for chemical fires.  
Use personal protective equipment.

### Further information

In the event of fire and/or explosion do not breathe fumes.

## 06. Accidental release measures

### Personal precautions

Use personal protective equipment

### Environmental precautions

Avoid subsoil penetration.  
Do not let product enter drains.

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## Methods for cleaning up

Soak up with liquid binder (sand, kieselguhr, acid binder, universal binder).  
After cleaning, flush away traces with water.

## Reference to other sections

See chapter 8 and 13.

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## 07. Handling and storage

### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.  
Take off contaminated clothing and shoes immediately.  
Avoid contact with eyes.  
Wear personal protective equipment.

### Advice on protection against fire and explosion

No special protective measures against fire required.

### Requirements for storage areas and containers

Store in original container.

### Advice on common storage

Incompatible with oxidizing agents.

### Storage temperature

0 – 45 °C

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## 08. Exposure controls/personal protection

### Control parameters

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

Not required

#### Hand protection

PVC or other plastic material gloves

Glove thickness: > 0.5 mm

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

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## Skin and body protection

Use protective skin cream before handling the product.

## Hygiene measures

Remove and wash contaminated clothing before re-use.

Avoid contact with eyes.

When using do not eat or drink.

## Protective measures

Keep away from food, drink and animal feedingstuffs.

Follow the skin protection plan.

## General advice

Avoid subsoil penetration.

Do not let product enter drains.

## 09. Physical and chemical properties

**Appearance:** liquid  
**Colour:** blue  
**Odour:** very faint

### Safety relevant data

<b>Explosivity:</b>	not applicable		
<b>Lower explosion limit:</b>	not applicable		
<b>Upper explosion limit:</b>	not applicable		
<b>Solidification temperature/range:</b>	no data available		
<b>Partition coefficient: n-octanol/water</b>	no data available		
<b>Viscosity, dynamic:</b>	Ca. 100 mPa*s	at 20 °C	Method: DIN 53019
<b>Relative vapour density:</b>	not applicable		
<b>Vapour pressure:</b>	< 23 hPa	at 20 °C	
<b>Density:</b>	1.02 g/cm <sup>3</sup>	at 20 °C	Method: DIN 51757
<b>pH:</b>	ca. 8,5	at 10 g/L 20 °C	
<b>Water solubility:</b>	completely miscible		
<b>Autoignition temperature:</b>	not auto-flammable		
<b>Boiling point/boiling range:</b>	> 100 °C		
<b>Flashpoint:</b>	not applicable		
<b>Ignition temperature:</b>	not applicable		

## 10. Stability and reactivity

### Reactivity

No hazards to be specially mentioned.

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## Chemical stability

Stable

## Hazardous reactions

None known.

## Conditions to avoid

Extremes of temperature and direct sunlight.

## Materials to avoid

Oxidizing agents.

## Risk of decomposition

No decomposition if stored and applied as directed.

## Thermal decomposition

No decomposition if stored and applied as directed.

## 11. Toxicological information

### Acute oral toxicity

LD50: > 2,000 mg/kg

Species: rat

### Acute oral toxicity Sulfan acids, C13-17-sec-alkane, sodium salts

LD50: > 2,000mg/kg

Species: rat

### Alcohol ethoxylate

LD50: 1,360 mg/kg

Species: rat

### Fatty alcohols, C12-14, ethoxylated, sulfates, sodium salts

LD50: > 2,000 mg/kg

Species: rat

### Fatty alcohol ethoxylate

no data available

### Acute dermal toxicity

### Fatty alcohols, C12-14, ethoxylated, sulfates, sodium salts

LD50: 4,100 mg/kg

Species: rat

### Skin irritation

Moderate skin irritation

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## Eye irritation

Risk of serious damage to eyes.

## Sensitisation

No sensitising effects are known.

## Human experience

Prolonged skin contact may defat the skin and produce dermatitis.

## Acute effects

Fatty alcohol ethoxylate: Harmful if swallowed. Causes serious eye damage.

## 12. Ecological information

### Toxicity

Ecotoxicology studies for the product are not available.

### Toxicity to fish

#### Sulfonic acids, C13-17-sec-alkane, sodium salts

LC50: 10 – 50 mg/l  
Exposure time: 96 h  
Species: Brachydanio rerio (Zebra danio)

#### Fatty alcohols, C12 – C14, ethoxylated, sulfates, sodium salts

LC50: 7,1 mg/l  
Exposure time: 96 h  
Species: Fish  
Method: OECD Test Guideline 203

NOEC: 1 mg/l  
Exposure time: 45 d  
Species: Fish  
Method: OECD Test Guideline 203

#### Alcohol ethoxylate

LC50: 10 – 100 mg/l  
Exposure time: 48 h  
Species: Leuciscus idus (Golden orfe)

#### Fatty alcohol ethoxylate

LC50: 5.6 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)

### Toxicity to daphnia and other aquatic invertebrates

#### Alcohol ethoxylate

EC50: 10 - 100 mg/l  
Exposure time: 48 h



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### **Fatty alcohols, C12-14, ethoxylated, sulfates, sodium salts**

EC50: 7.4 mg/l  
Exposure time: 48 h  
Species: Daphnia  
Method: OECD Test Guideline 202

NOEC: 1.2 mg/l  
Exposure time: 21 d  
Species: Daphnia

### **Fatty alcohol ethoxylate**

EC50: 2 – 10 mg/l  
Exposure time: 48 h  
Species: Daphnia

### **Toxicity to algae**

#### **Alcohol ethoxylate**

EC50: 10 – 100 mg/l  
Exposure time: 72 h

### **Fatty alcohols, C12-14, ethoxylated, sulfates, sodium salts**

ErC50: 27.7 mg/l  
Exposure time: 72 h  
Species: Algae  
Method: OECD Test Guideline 201

NOEC: 0.95 mg/l  
Exposure time: 72 h  
Species: Algae  
Method: OECD Test Guideline 201

### **Toxicity to bacteria**

#### **Alcohol ethoxylate**

EC10: 48 mg/l  
Exposure time: 17 h  
Species: Activated sludge  
Method: DIN 38 412 Part 8

### **Biodegradability**

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 907/2006 on detergents.

### **Fatty alcohols, C12-14, ethoxylated, sulfates, sodium salts**

100 %

Readily biodegradable

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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### **Fatty alcohol ethoxylate**

Readily biodegradable

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### **Bioaccumulation**

no data available

### **Physico-chemical removability**

not applicable

### **Results of PBT and vPvB assessment**

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### **Other adverse effects**

Adsorbed organic bound halogens (AOX): Product does not contain any organic halogens.

## **13. Disposal considerations**

### **Product**

It must undergo special treatment, e. g. at suitable disposal site, to comply with local regulations.

### **Packaging**

#### **Contaminated packaging**

Empty remaining contents.

If recycling is not practicable, dispose of in compliance with local regulations.

### **Waste Code**

Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

## **14. Transport information**

### **ADR**

Not dangerous goods.

### **IATA**

Not dangerous goods.

### **IMDG**

Not dangerous goods.

### **RID**

Not dangerous goods.

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### 15. Regulatory information

#### R-Phrases

R 41 Risk of serious damage to eyes.

#### S-Phrases

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 39 Wear eye/face protection.

S 60 This material and its container must be disposed of as hazardous waste.

#### H-Sätze

H 318 Causes serious eye damage.

#### P-Sätze

P 305 / P 351 / P 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

P 280 Wear protective gloves/protective clothing/eye protection/face protection.

P 501 Dispose of contents/container as hazardous waste.

#### Hazardous components which must be listed on the label

85711-69-9 Sulfonic acids, C13-17-sec-alkane, sodium salts

#### Water contaminating class (Germany)

WGK 2 water endangering

#### Other regulations

Restricted to professional users.

### 16. Other information

#### Issuing Department for Material Safety Data Sheet

Produktdevelopment / Quality Management

#### Source of the main information

Material Safety Data Sheet of the Manufacturer

#### GENERAL HINTS

The information contained herein is based on the present state of our knowledge and on our experiences with the product. The material safety data sheet is strictly intended for risk minimizing when handling the product. The informations characterize it exclusively with regard to safety aspects and does not represent a guarantee of the properties of the product within the meaning of our general terms and conditions. The information does not dispense the user from his duties of care with respect to the observance of present laws, regulations, and terms.