



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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Developer 12%

SDS No. : 190460  
V001.13

Revision: 03.08.2022  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Developer 12%

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

Intended use:

Developer

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

Henkel AG & Co. KGaA

Düsseldorf Germany

Henkelstr. 67

40191 Düsseldorf

Phone: +49 211-797-0

#### E-mail address of person responsible for Safety Data Sheet:

Henkel Cosmetics, e-mail: astrid.kleen@henkel.com

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 (CLP):

Oxidizing liquids Category 3

May intensify fire; oxidizer.

Serious eye damage Category 1

Causes serious eye damage.

Chronic hazards to the aquatic environment Category 3

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements (CLP)

##### Hazard pictogram:



|  |  |
|--|--|
| <b>Signal word:</b>                        | Danger   |
| <b>Hazard statement:</b>                   | H272 May intensify fire; oxidizer.<br>H318 Causes serious eye damage.<br>H412 Harmful to aquatic life with long lasting effects.   |
| <b>Precautionary statement: Prevention</b> | P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.<br>P220 Keep away from clothing and other combustible materials.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.  |
| <b>Precautionary statement: Response</b>   | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 Immediately call a POISON CENTER or doctor.<br>P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. |

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

#### 3.2. Mixtures

##### Hazardous substances according to CLP (EC) No 1272/2008:

| Hazardous substances<br>CAS-No.                 | EINECS    | REACH-Reg No.    | Content        | Classification   |
|---|-----------|------------------|----------------|--|
| Hydrogen peroxide<br>7722-84-1                  | 231-765-0 | 01-2119485845-22 | >= 10- < 20 %  | H318<br>Serious eye damage 1<br>H335<br>Specific target organ toxicity - single exposure 3<br>H412<br>Chronic hazards to the aquatic environment 3<br>H271<br>Oxidizing liquids 1<br>H302<br>Acute toxicity 4; Oral<br>H332<br>Acute toxicity 4; Inhalation<br>H314<br>Skin corrosion 1A |
| trimethyloctadecylammonium chloride<br>112-03-8 | 203-929-1 | 01-2119970559-21 | >= 0,25- < 1 % | H302<br>Acute toxicity 4; Oral<br>H314<br>Skin corrosion 1C<br>H400<br>Acute hazards to the aquatic environment 1<br>H410<br>Chronic hazards to the aquatic environment 1  |

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of adverse health effects seek medical advice.

Remove casualty immediately from danger zone. Take off immediately all contaminated clothing.

##### Inhalation:

not relevant.

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

Eye contact:  
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:  
Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:  
All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:  
None known

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

**The release of following substances is possible in case of fire:**

carbon oxides.  
Nitrous gases  
Generation of oxygen

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus.  
Wear protective equipment.

#### Additional information:

The product intensifies fire  
Remove product from danger zone.  
Extend fire extinguishing measures to the surroundings.  
Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.  
Collect contaminated fire fighting water separately. It must not enter drains.  
In case of fire, keep containers cool with water spray.

## SECTION 6: Accidental release measures

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

Wear protective equipment.

### 6.2. Environmental precautions

Do not empty into drains / surface water / ground water.  
Inform authorities in the event of product spillage to water courses or sewage systems.

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

Remove with liquid-absorbing material (chemical binder)  
Dilute small quantities with large amount of water and rinse.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling advice:  
Avoid skin and eye contact.

Fire and explosion protection information:  
No special measures required if used properly.

Hygiene measures:

- Do not eat, drink or smoke while working.
- Immediately remove soiled or soaked clothing.
- Wash hands before work breaks and after finishing work.
- Keep away from food, beverages and animal feed.

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

Store in sealed original container protected against moisture.  
Store far from foodstuffs.

**7.3. Specific end use(s)**

Developer

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

**Only relevant for professional/industrial use**

**8.1. Control parameters**

Valid for  
Germany

None

**8.2. Exposure controls**

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

Not needed.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Manufacturer e.g. German company KCL, type Dermatril.

Eye protection:

Protective goggles

Skin protection:

Suitable protective clothing

**SECTION 9: Physical and chemical properties**

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

The following data apply to the whole mixture:

|                           |                                   |
|---------------------------|-----------------------------------|
| Appearance                | emulsion<br>viscous, O/W<br>white |
| Odor                      | slightly                          |
| pH (20 °C (68 °F))        | 3,10 - 3,70                       |
| Initial boiling point     | Not applicable                    |
| Flash point               | Not applicable                    |
| Decomposition temperature | Not applicable                    |

|  |                                 |
|--|---------------------------------|
| Vapour pressure  | Not applicable                  |
| Density (20 °C (68 °F))  | 1,010 - 1,050 g/cm <sup>3</sup> |
| Bulk density   | Not applicable                  |
| Viscosity (Haake; Instrument: Haake VT 550; 20 °C (68 °F); Rotary measuring system: MV II) | 3.000 - 8.000 mPa.s             |
| Viscosity (kinematic)  | Not applicable                  |
| Explosive properties   | Not applicable                  |
| Solubility (qualitative) (20 °C (68 °F); Solvent: Water)                                   | Not applicable                  |
| Solidification temperature   | Not applicable                  |
| Melting point  | Not applicable                  |
| Flammability   | Not applicable                  |
| Auto-ignition temperature  | Not applicable                  |
| Explosive limits   | Not applicable                  |
| Partition coefficient: n-octanol/water   | Not applicable                  |
| Evaporation rate   | Not applicable                  |
| Vapor density  | Not applicable                  |
| Oxidising properties   | Not applicable                  |
| Container pressure   | Not applicable                  |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None if used for intended purpose.

### 10.2. Chemical stability

None known.

### 10.3. Possibility of hazardous reactions

See section reactivity  
None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### General toxicological information:

The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.

#### 11.1. Information on toxicological effects

##### Acute oral toxicity:

Harmful if swallowed.

| Hazardous substances<br>CAS-No.                 | Value<br>type | Value       | Species | Method                                   |
|---|---------------|-------------|---------|--|
| Hydrogen peroxide<br>7722-84-1                  | LD50          | 693,7 mg/kg | rat     | OECD Guideline 401 (Acute Oral Toxicity) |
| trimethyloctadecylammonium chloride<br>112-03-8 | LD50          | 702,5 mg/kg | rat     | OECD Guideline 401 (Acute Oral Toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value         | Species | Method  |
|---------------------------------|---------------|---------------|---------|---|
| Hydrogen peroxide<br>7722-84-1  | LD50          | > 2.000 mg/kg | rabbit  | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

No data available.

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                     | Result                     | Exposure<br>time | Species | Method   |
|---|----------------------------|------------------|---------|--|
| Hydrogen peroxide<br>7722-84-1                      | Category 1A<br>(corrosive) | 1 h              | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| trimethyloctadecylammon<br>ium chloride<br>112-03-8 | corrosive                  |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

Risk of serious damage to eyes

| Hazardous substances<br>CAS-No.                     | Result     | Exposure<br>time | Species | Method  |
|---|------------|------------------|---------|---|
| Hydrogen peroxide<br>7722-84-1                      | corrosive  |                  | rabbit  | Draize Test   |
| trimethyloctadecylammon<br>ium chloride<br>112-03-8 | irritating | 24 h             | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                     | Result          | Test type     | Species    | Method                                  |
|---|-----------------|---------------|------------|---|
| Hydrogen peroxide<br>7722-84-1                      | not sensitising |               | guinea pig | not specified                           |
| trimethyloctadecylammon<br>ium chloride<br>112-03-8 | not sensitising | not specified | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                     | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method   |
|---|----------|--|--|---------|--|
| Hydrogen peroxide<br>7722-84-1                      | positive | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | Ames Test  |
| Hydrogen peroxide<br>7722-84-1                      | positive | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |
| Hydrogen peroxide<br>7722-84-1                      | positive | mammalian cell<br>gene mutation assay                  | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)    |
| trimethyloctadecylammon<br>ium chloride<br>112-03-8 | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)              |
| Hydrogen peroxide<br>7722-84-1                      | negative | intraperitoneal  |  | mouse   | OECD Guideline 474<br>(Mammalian Erythrocyte<br>Micronucleus Test)       |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result / Value  | Route of<br>application    | Exposure time /<br>Frequency of<br>treatment | Species | Method   |
|---------------------------------|-----------------|----------------------------|--|---------|--|
| Hydrogen peroxide<br>7722-84-1  | NOAEL > 100 ppm | oral:<br>drinking<br>water | ca. 90 d<br>ad libitum                       | mouse   | OECD Guideline 408<br>(Repeated Dose 90-Day<br>Oral Toxicity in Rodents) |

**Aspiration hazard:**

No data available.

## SECTION 12: Ecological information

### General ecological information:

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                    | Value<br>type | Value      | Exposure time | Species             | Method  |
|--|---------------|------------|---------------|---------------------|---|
| Hydrogen peroxide<br>7722-84-1                     | LC50          | 16,4 mg/l  | 96 h          | Pimephales promelas | other guideline:                                  |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | LC50          | 0,064 mg/l | 96 h          | Danio rerio         | OECD Guideline 203 (Fish,<br>Acute Toxicity Test) |

#### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                    | Value<br>type | Value      | Exposure time | Species       | Method   |
|--|---------------|------------|---------------|---------------|--|
| Hydrogen peroxide<br>7722-84-1                     | EC50          | 2,4 mg/l   | 48 h          | Daphnia pulex | other guideline:   |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | EC50          | 0,037 mg/l | 48 h          | Daphnia magna | OECD Guideline 202<br>(Daphnia sp. Acute<br>Immobilisation Test) |

#### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value     | Exposure time | Species       | Method   |
|---------------------------------|---------------|-----------|---------------|---------------|--|
| Hydrogen peroxide<br>7722-84-1  | NOEC          | 0,63 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia<br>magna, Reproduction Test) |

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                    | Value<br>type | Value     | Exposure time | Species                         | Method   |
|--|---------------|-----------|---------------|---------------------------------|--|
| Hydrogen peroxide<br>7722-84-1                     | NOEC          | 0,63 mg/l | 72 h          | Skeletonema costatum            | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| Hydrogen peroxide<br>7722-84-1                     | EC50          | 1,38 mg/l | 72 h          | Skeletonema costatum            | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | NOEC          | 0,04 mg/l | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | EC50          | 0,08 mg/l | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                    | Value<br>type | Value        | Exposure time | Species  | Method   |
|--|---------------|--------------|---------------|--|--|
| Hydrogen peroxide<br>7722-84-1                     | EC50          | > 1.000 mg/l | 3 h           | activated sludge of a<br>predominantly domestic sewage | OECD Guideline 209<br>(Activated Sludge,<br>Respiration Inhibition Test) |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | EC50          | 43,2 mg/l    | 3 h           | activated sludge                                       | OECD Guideline 209<br>(Activated Sludge,<br>Respiration Inhibition Test) |



**12.2. Persistence and degradability**

| Hazardous substances<br>CAS-No.                    | Result                     | Test type | Degradability | Exposure<br>time | Method  |
|--|----------------------------|-----------|---------------|------------------|---|
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | not readily biodegradable. | aerobic   | 18 %          | 28 d             | OECD Guideline 301 D (Ready<br>Biodegradability: Closed Bottle<br>Test) |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | inherently biodegradable   | aerobic   | 77 %          | 175 d            | OECD Guideline 301 D (Ready<br>Biodegradability: Closed Bottle<br>Test) |

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

| Hazardous substances<br>CAS-No.                    | LogPow | Temperature | Method  |
|--|--------|-------------|---|
| Hydrogen peroxide<br>7722-84-1                     | -1,57  | 20 °C       | QSAR (Quantitative Structure Activity Relationship) |
| trimethyloctadecylammonium<br>chloride<br>112-03-8 | 4,17   |             | not specified                                       |

**12.5. Results of PBT and vPvB assessment**

| Hazardous substances<br>CAS-No.                 | PBT / vPvB  |
|---|---|
| Hydrogen peroxide<br>7722-84-1                  | According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances. |
| trimethyloctadecylammonium chloride<br>112-03-8 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.           |

**12.6. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:  
Consider national regulations.

**SECTION 14: Transport information****14.1. UN number**

|      |      |
|------|------|
| ADR  | 2984 |
| RID  | 2984 |
| ADN  | 2984 |
| IMDG | 2984 |
| IATA | 2984 |

**14.2. UN proper shipping name**

|      |                                     |
|------|-------------------------------------|
| ADR  | HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| RID  | HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| ADN  | HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| IMDG | HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| IATA | Hydrogen peroxide, aqueous solution |

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

|      |     |
|------|-----|
| ADR  | 5.1 |
| RID  | 5.1 |
| ADN  | 5.1 |
| IMDG | 5.1 |
| IATA | 5.1 |

**14.4. Packing group**

|      |     |
|------|-----|
| ADR  | III |
| RID  | III |
| ADN  | III |
| IMDG | III |
| IATA | III |

**14.5. Environmental hazards**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.6. Special precautions for user**

|      |                                   |
|------|-----------------------------------|
| ADR  | not applicable<br>Tunnelcode: (E) |
| RID  | not applicable                    |
| ADN  | not applicable                    |
| IMDG | not applicable                    |
| IATA | not applicable                    |

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

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

National regulations/information (Germany):

|                                      |   |
|--------------------------------------|---|
| WGK:                                 | WGK 3: highly hazardous to water (Germany. Ordinance on Facilities Handling Substances that are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz AT), as amended ) |
| Storage class according to TRGS 510: | Classification in conformity with the calculation method<br>5.1B  |

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H271 May cause fire or explosion; strong oxidizer.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

### Further information:

This information is not related to the use of the product, it is based on our current level of knowledge.