

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2010

Version: 6

Revision: 13.09.2010

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1 Identification of substance:

· **Product details:**

· **Trade name:** Bleach'n Smile Home 18 %

· **Article number:** 237035.-1

· **Application of the substance / the preparation** see point 3)

· **Manufacturer/Supplier:**

Schütz Dental GmbH, Dieselstrasse 5-6, D-61191 Rosbach v.d.H. (Germany)

Tel.: +49 (0)6003/814-0 Fax: +49 (0)6003/814-900

www.schuetz-dental.de; e-mail: info@schuetz-dental.de

· **Further information obtainable from:** F&E, Tel. +49 (0)6003/814-100

· **Information in case of emergency:** +49 (0)6003/814-0 (8:00-17:00 h)

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2 Hazards identification

· **Hazard description:**



Xi Irritant

· **Information concerning to particular hazards to man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36 Irritating to eyes.

· **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **GHS label elements**



Warning

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

· **Prevention:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

· **Response:**

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

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Tooth whitener based on carbamide peroxide

· **Dangerous components:**

CAS: 124-43-6

hydrogen peroxide--urea

10-20%

EINECS: 204-701-4

C; R 34

Danger: 2.14/2; 3.2/1B

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· **Additional information** For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **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.
Immediately rinse with water.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Rinse out mouth and then drink plenty of water.

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5 Fire fighting measures

- **Suitable extinguishing agents** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents** -
- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

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7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Close container immediately after use and protect product from light incidence.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

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8 Exposure controls and personal protection gear

- **Additional information about design of technical facilities:** No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:
56-81-5 glycerol
OES Long-term value: 10 mg/m ³

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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
- **Respiratory protection:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**
 Protective gloves.
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
 Natural rubber, NR
 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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 protection:** Tightly sealed goggles.

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9 Physical and chemical properties:

· General Information

Form:	Pasty
Colour:	Colourless
Odour:	Characteristic

· Change in condition

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	100°C

Flash point:	160°C
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Ignition temperature:	400°C
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Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product does not present an explosion hazard.
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· Explosion limits:

Lower:	0.9 Vol %
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Vapour pressure at 20°C:	23 hPa
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Density at 20°C:	1.3 g/cm ³
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· Solubility in / Miscibility with Water:	Fully miscible
· pH-value at 20°C:	6
· Viscosity: dynamic at 20°C:	300000 mPas
· Solvent content:	
Organic solvents:	57.7 %
Water:	12.1 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** LD50 > 5000 mg/kg rat
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
Irritant

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12 Ecological information:

- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

- **Product:**
- **Recommendation**
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

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

· European waste catalogue

07 01 01*	aqueous washing liquids and mother liquors
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· Uncleaned packaging:
· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· Recommended cleansing agents: *Water, if necessary together with cleansing agents.*

* 14 Transport information

· Maritime transport IMDG:
· Marine pollutant: *No*

* 15 Regulations

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

· Code letter and hazard designation of product:
Xi Irritant
· Risk phrases:
36 Irritating to eyes.
· Safety phrases:
17 Keep away from combustible material.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
60 This material and its container must be disposed of as hazardous waste.
· National regulations
· Technical instructions (air):

Class	Share in %
NK	50-75

· Waterhazard class: *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

* 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 R-phrases
34 Causes burns.
· Department issuing MSDS: F & E

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· Contact: Dr. U. Krichbaum**· Abbreviations and acronyms:***IMDG: International Maritime Code for Dangerous Goods**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent***· * Data compared to the previous version altered.**

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