

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.03.2010

Version: 6

Revision: 30.03.2010

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1 Identification of substance:

- **Product details:**
- **Trade name:** Bleach'n Smile Aktivator
- **Article number:** 237010-1
- **Application of the substance / the preparation** Aktivator
- **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:**



C Corrosive

- **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 34 Causes burns.
- **Classification system**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements**



Danger

- H314 - Causes severe skin burns and eye damage.
- **Prevention:**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- **Response:**
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
- **Storage:**
P405 Store locked up.
- **Disposal:**
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Strong alkaline liquid

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· Dangerous components:

CAS: 1310-73-2	sodium hydroxide	 C; R 35	2.5-10%
EINECS: 215-185-5		Danger:  3.2/1A	

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

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4 First aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

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5 Fire fighting measures

- **Suitable extinguishing agents** Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Adapt to environment.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **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).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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7 Handling and storage

- **Handling**
- **Information for safe handling:**
Store in cool, dry place in tightly closed receptacles.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from metals.
- **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.

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· **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.

· **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:** Not required.

· **Protection of hands:** Alkaline resistant gloves

· **Material of gloves:** Natural rubber, NR

· **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.

· **Body protection:** Protective work clothing.

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9 Physical and chemical properties:

· **General Information**

Form:	Fluid
Colour:	Red
Odour:	Odourless

· **Change in condition**

Melting point/Melting range: 0°C

Boiling point/Boiling range: 100°C

· **Flash point:** Not applicable

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C:** 1.054 g/cm³

· **Solubility in / Miscibility with**

Water: Fully miscible

· **pH-value at 20°C:** 13

· **Solvent content:**

Organic solvents: 0.0 %

Water: > 90 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions:** No dangerous reactions known

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· **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:**

1310-73-2 sodium hydroxide

Oral LD50 2000 mg/kg (rat)

· **Primary irritant effect:**· **on the skin:** Caustic effect on skin and mucous membranes.· **on the eye:** Strong caustic 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.

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 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**

Must be specially treated adhering to official regulations.

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

· **European waste catalogue**

06 02 04 sodium and potassium hydroxide

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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14 Transport information

· **Land transport ADR/RID (cross-border)**· **ADR/RID class:** 8 (C5) Corrosive substances.

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- **Danger code (Kemler):** 80
- **UN-Number:** 1824
- **Packaging group:** II
- **Hazard label** 8
- **Description of goods:** 1824 SODIUM HYDROXIDE SOLUTION

· **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 1824
- **Label** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** SODIUM HYDROXIDE SOLUTION

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 1824
- **Label** 8
- **Packaging group:** II
- **Proper shipping name:** SODIUM HYDROXIDE SOLUTION

- **UN "Model Regulation":** UN1824, SODIUM HYDROXIDE SOLUTION, 8, II

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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:**

C Corrosive

· **Hazard-determining components of labelling:**

sodium hydroxide

· **Risk phrases:**

34 Causes burns.

· **Safety phrases:**

20 When using do not eat or drink.

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.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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45 *In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*

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

· **National regulations**

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

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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**

35 Causes severe burns.

· **Department issuing MSDS: F & E**

· **Contact: Dr. U. Krichbaum**

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

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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