

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 01.09.2011

Revision: 01.09.2011

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Absauganlagendesinfektion, Konz.
- **Article number:**  
193087  
193088
- **Application of the substance / the preparation** Disinfectant
- **Manufacturer/Supplier:**  
ORBIS° Dental Handelsgesellschaft mbH  
Schuckertstr. 21  
D-48153 Münster  
Tel.: +49(0)251 / 3226786  
Telefax: +49(0) 251 / 7607201
- **Further information obtainable from:** info@orbis-dental.de
- **Information in case of emergency:**  
Informationszentrale gegen Vergiftungen der  
Universität Bonn (GIZ-Bonn)  
Tel.: +49(0) 228 19240  
Telefax: +49(0) 228 28733314

## 2 Hazards identification

- **Hazard description:**



Xi Irritant

- **Information concerning particular hazards for human 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 36/38 Irritating to eyes and skin.
- **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

- 3.2/2 - Causes skin irritation.
- 3.3/2A - Causes serious eye irritation.
- **Prevention:**  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.
- **Response:**  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.

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


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### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 5538-94-3	N,N-Dimethyl-N-Dioctylammoniumchlorid	2.5-10%
	 C,  Xn; R 10-22-34	
	Danger:  3.1.O/3;  3.2/1B	
	Warning:  2.6/3	
CAS: 64-02-8 EINECS: 200-573-9	tetrasodium ethylenediaminetetraacetate	≤ 2.5%
	 Xn; R 22	
	Danger:  3.1.O/3	
CAS: 1310-58-3 EINECS: 215-181-3	potassium hydroxide	≤ 2.5%
	 C,  Xn; R 22-35	
	Danger:  3.1.O/3;  3.2/1A	

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

### 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** 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).

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

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## 8 Exposure controls/personal protection

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

· **Ingredients with limit values that require monitoring at the workplace:**

**1310-58-3 potassium hydroxide**

WEL Short-term value: 2 mg/m<sup>3</sup>

· **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:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

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.

· **As protection from splashes gloves made of the following materials are suitable:** Natural rubber, NR

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 100°C

· **Flash point:** > 100°C

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

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

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· <b>Density:</b>	Not determined.
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· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
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· <b>pH-value at 20°C:</b>	< 10
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· <b>Solvent content:</b> <b>Organic solvents:</b>	0.0 %
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· <b>Solids content:</b>	5 %
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## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **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:**

5538-94-3 <i>N,N</i> -Dimethyl- <i>N</i> -Dioctylammoniumchlorid		
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Oral	LD50	1025 mg/kg (rat)
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1310-58-3 <i>potassium hydroxide</i>		
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Oral	LD50	273 mg/kg (rat)
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· **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

## 12 Ecological information

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

· **Product:**

· **Recommendation**

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

· **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
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07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
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07 06 99	wastes not otherwise specified
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **UN "Model Regulation":** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

## 15 Regulatory information

- **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:**  
36/38 Irritating to eyes and skin.
- **Safety phrases:**  
24/25 Avoid contact with skin and eyes.  
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 soap and water.  
37/39 Wear suitable gloves and eye/face protection.

## 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**  
10 Flammable.  
22 Harmful if swallowed.  
34 Causes burns.  
35 Causes severe burns.
- **Recommended restriction of use**  
Produkt nur für den professionellen Gebrauch.

Die in diesem Sicherheitsdatenblatt enthaltenen Angaben basieren nach unserem besten Wissen und Gewissen auf aktuell verfügbaren Informationen über die korrekte Handhabung des Produktes unter normalen Bedingungen. Eine andere, in diesem Datenblatt nicht enthaltene Verwendung dieses Produktes zusammen mit anderen Prozessen/Verfahren obliegt der alleinigen Verantwortung des Anwenders. Dieses Dokument stellt keine explizite oder implizite Garantie bezüglich Produktqualität oder Eignung für einen bestimmten Zweck dar.

- **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 internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
LC50: Lethal concentration, 50 percent

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*LD50: Lethal dose, 50 percent*

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· **\* Data compared to the previous version altered.**

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