



# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 02.06.2010

Revision: 02.06.2010

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

- **Product details**
- **Trade name: Cleaning tablets**
- **Application of the substance / the preparation** For the care and cleaning of dental splints
- **Manufacturer/Supplier:**  
Dreve Dentamid GmbH  
Max-Planck-Straße 31  
59423 Unna / Germany  
Tel.: ++49 2303 / 8807-0  
Fax.: ++49 2303 / 8807-55
- **Further information obtainable from:**  
Department Research & Development  
Fax.: ++49 2303 / 8807-562  
Email: sicherheitsdatenblatt@dreve.de
- **Information in case of emergency:**  
49(0)211/797-3350  
Plant Fire Department Henkel

### 2 Hazards identification

- **Hazard description:**



Xn Harmful

- **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 22 Harmful if swallowed.  
R 36/37/38 Irritating to eyes, respiratory system and skin.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3 Composition/information on ingredients

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

- **Dangerous components:**

CAS: 70693-62-8 EINECS: 274-778-7	pentapotassium bis(peroxymonosulphate)bis(sulphate) C,  Xn,  O; R 8-22-34	25-50%
CAS: 497-19-8 EINECS: 207-838-8	sodium carbonate Xi; R 36	10-25%
CAS: 77-92-9 EINECS: 201-069-1	citric acid Xi; R 41	10-25%
CAS: 10486-00-7 EINECS: 234-390-0	Natriumperborat-Tetrahydrat Xi; R 36	2.5-1%
CAS: 151-21-3 EINECS: 205-788-1	Anionic surfactant Xn,  Xi; R 21/22-36/37/38	≤ 2.5%

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

GB

(Contd. on page 2)



# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2010

Revision: 02.06.2010

**Trade name: Cleaning tablets**

(Contd. of page 1)

## 4 First-aid measures

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**

Water

Fire-extinguishing powder

Foam

Sand

- **For safety reasons unsuitable extinguishing agents:** Carbon dioxide

- **Special hazards caused by the substance, its products of combustion or resulting gases:**

In case of heat, oxygen can be released, acting oxidizing in the presence of combustible materials.

In case of fire, the following can be released:

Sulphur dioxide (SO<sub>2</sub>)

- **Protective equipment:** Wear self-contained respiratory protective device.

## 6 Accidental release measures

- **Person-related safety precautions:**

Flush away residues with water.

Do not breathe dust.

Avoid contact with skin and eyes.

- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

- **Measures for cleaning/collecting:**

Pick up mechanically.

Dispose of the material collected according to regulations.

Dispose contaminated material as waste according to item 13.

Dilute with plenty water.

## 7 Handling and storage

- **Handling:**

- **Information for safe handling:**

Avoid contact with skin and eyes.

Prevent formation of dust.

- **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 3)



## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 02.06.2010

Revision: 02.06.2010

Trade name: **Cleaning tablets**

(Contd. of page 2)

- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in unopened original receptacles.  
Protect from heat and direct sunlight.  
Keep away from combustible materials.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 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:**  
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:**  
Required in case of dust.  
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**

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

(Contd. on page 4)



# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 02.06.2010

Revision: 02.06.2010

Trade name: **Cleaning tablets**· **Body protection:** Protective work clothing

(Contd. of page 3)

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Tablets
<b>Colour:</b>	blue-white, tinged
<b>Odour:</b>	Characteristic

#### · Change in condition

**Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** Undetermined.· **Flash point:** 100°C

#### · Ignition temperature:

**Decomposition temperature:** > 50°C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Density:** Not determined.

· **Solubility in / Miscibility with water:** Easily soluble.

· **pH-value at 20°C:** 5.5 - 7.5

### 10 Stability and reactivity

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

To avoid thermal decomposition do not overheat.

Protect from heat and direct sunlight.

Humidity, high temperatures.

#### · Materials to be avoided:

Inflammable materials

Reacts with reducing agents.

· **Dangerous reactions** No dangerous reactions known.

#### · Dangerous decomposition products:

Oxygen

Sulphur dioxide

### 11 Toxicological information

#### · Acute toxicity:

#### · 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:

Harmful

(Contd. on page 5)



## Safety Data Sheet

### according to 1907/2006/EC, Article 31

Printing date 02.06.2010

Revision: 02.06.2010

Trade name: **Cleaning tablets**

Irritant

(Contd. of page 4)

### 12 Ecological information

- **Additional ecological information:**
- **General notes:**

At present there are no ecotoxicological assessments.

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.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Disposal must be made according to official regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



Xn Harmful

- **Hazard-determining components of labelling:**  
pentapotassium bis(peroxymonosulphate)bis(sulphate)
- **Risk phrases:**  
22 Harmful if swallowed.  
36/37/38 Irritating to eyes, respiratory system and skin.

(Contd. on page 6)



## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 02.06.2010

Revision: 02.06.2010

**Trade name: Cleaning tablets**

(Contd. of page 5)

**· Safety phrases:**

- 1/2      Keep locked up and out of the reach of children.
- 13      Keep away from food, drink and animal feedingstuffs.
- 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.
- 45      In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 56      Dispose of this material and its container to hazardous or special waste collection point.

**· National regulations:**

- **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**

- 21/22    Harmful in contact with skin and if swallowed.
- 22      Harmful if swallowed.
- 34      Causes burns.
- 36      Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 41      Risk of serious damage to eyes.
- 8      Contact with combustible material may cause fire.

- **Department issuing MSDS:** Department Research & Development

- **Contact:** Dr. Thomas Veit, Dr. Reiner Altmann, Lothar Sutor

GB