

Safety Data Sheet

according to regulation (EC) 1907/2006 (REACH)

Trade name: **Dental-X-Tabs**

Revised at: 16.02.2011

Print date: 24.02.2011

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

Trade name: **Dental-X-Tabs**

Recommended use: Special tablets for cleaning and descaling of the Dental-X-autoclaves.

Effect of the preparation: Cleansing and descaling agent

Distributed by: Dental X spa
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IT-36031 Dueville - Vicenza
Telephone: +39 0444 367400
Telefax: +39 0444 367436
Email: dentalx@dentalx.it
Internet: www.dentalx.it

2. Hazards identification

R41 Risk of serious damage to eyes.

3. Composition/information on ingredients

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

<i>Hazardous ingredients</i>	<i>CAS-No.</i>	<i>Weight-%</i>	<i>Code letter</i>	<i>R-phrases*</i>
Sodium carbonate	497-19-8	10-25%	Xi	36
Sodium percarbonate	15630-89-4	10-25%	O, Xn	8, 22, 41
Citric acid	77-92-9	2,5-10%	Xi	36
Sodium silicate	1344-09-8	2,5-10%	Xi	36/37/38
Alcoxyated alcohol (C8-14)	68154-97-2	<2,5%	Xn, N	22, 41, 51/53

*Full text of R-phrases: see under section 16

4. First aid measures

General information: Note precautions for self-protection. Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

On inhalation: Move affected person into fresh air and keep still and warm. In case of irritation of the airways, seek medical advice.

On contact with skin: Wash off immediately with soap and water. In case of skin reactions, seek medical advice.

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On contact with the eyes:	Rinse the eyes with water with the eyelids open for a sufficient length of time, then seek ophthalmological advice immediately.
If swallowed:	Consult physician immediately.
Information for the doctor:	First aid, decontamination, symptomatic treatment.

5. Fire-fighting measures

Suitable extinguishing media:	Water, foam, dry fire-extinguishing media, carbon dioxide
Extinguishing media which must not be used for safety reasons:	None known
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	In case of heating or in case of fire toxic gases may be liberated.
Special protective equipment for firefighting:	Wear self-contained breathing apparatus.
Additional information:	Cool endangered containers with water spray jet and if possible remove off fire area.

6. Accidental release measures

Personal precautions:	Use personal protective clothing.
Environmental precautions:	Pick up dry.
Methods for cleaning up/taking up:	Treat recovered material as prescribed in: Disposal considerations.

7. Handling and storage

Hints for safe handling:	Avoid contact with skin and eyes. Avoid formation of dust.
Hints for protection against fire and explosion:	Product is not flammable. Keep away from heat.
Further informations:	Not necessary
Requirements for storage rooms and vessels:	Keep tightly closed and store only in original container. Store in a cool and dry place.
Hints on storage assembly:	Not necessary
Further informations on storage conditions:	Protect from heat and direct sunlight. Maximum storage temperature: 30 °C.
Storage class:	LGK 11

8. Exposure controls / Personal protection

Constituents with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

Does not contain substances above concentration limits fixing an occupational limit.

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General health and safety measures:

Do not eat, drink, smoke while working.
Wash hands before breaks and on finishing work.
Preventive skin protection using barrier ointment.
Keep away of foods and drinks.
Avoid contact with eyes, skin and clothing.
Avoid inhalation of aerosols and vapours.

Personal protection equipment:

Respiratory protection: Not necessary if handled cautiously.
Hand protection: E.g. natural rubber- or PVC-gloves are recommended.
Eye protection: Tightly sealed goggles.
Protective clothing: Not necessary if handled cautiously.

9. Physical and chemical properties

Form:	solid, tab	
Colour:	white	
Odour:	characteristic	
pH-value (2 g/l H ₂ O):	10,0-10,5	(20°C)
Boiling point/Boiling range:	not relevant to safety	
Melting point/Melting range:	not relevant to safety	
Flash point (DIN, TRbF):	>55°C	
Flammability (solid, gases):	not determinable	
Explosive properties:	none	
Lower explosion limit:	none	
Upper explosion limit:	none	
Ignition temperature:	not necessary	
Oxidizing properties:	none	
Vapour pressure:	not necessary	at ...°C
Density:	none	at ...°C
Bulk density:	not determinable	at ...°C
Solubility in water:	soluble	
in ethanol:	soluble	
in hexan:	not soluble	
Partition coefficient:	not necessary	(n-octanol/water)
Viscosity (sort):	not necessary	at ...°C
Electrical conductivity (2 g/l H ₂ O):	2000-2500 µS/cm	(20°C)
Refractive index n _D :	not necessary	
Optical rotation α _D :	not necessary	

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10. Stability and reactivity

Conditions to avoid:	No hazardous decomposition products if stored and handled as prescribed.
Materials to avoid:	No hazardous reactions with other substances known.
Hazardous decomposition products:	No decomposition if used as prescribed.

11. Toxicological information

Acute toxicity:	No acute toxicity known.
Primary irritant effect on the skin:	No primary irritant effect on the skin known.
Primary irritant effect on the eye:	Irritating to eyes.
Mutagenic potential:	No mutagenic potential known.
Sensitization:	No sensitizing effects known.

The product was classified on the basis of the calculation procedure of the preparation directive 1999/45/EC.

Based on manufacturer data of the main components the acute toxicity, the skin irritation, the mucous membrane irritation and the mutagenic potential of the preparation were evaluated. However, some data are not complete regarding particular main components. Nevertheless according to the experience of the manufacturer there are no other hazards expected than those which are already mentioned on the label.

12. Ecological information

Ecotoxicity:	Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.
Persistence and degradation:	Ingredients are biodegradable.
Other adverse effects:	No other adverse effects known.
Further information:	Do not allow product to reach ground water or waters and do not empty undiluted product into sewers.

13. Disposal considerations

Disposal of the product:

In the EC member states there are no standardized regulations for the disposal of chemicals. In Germany the law of the cycle of economy and waste (KrW/AbfG) prescribes the principle of utilization and therefore a distinction must be made between "waste for utilization" and "waste for removal". Furthermore special cases – particularly in case of delivery – are also regulated by the federal states. Please contact the corresponding office (authority or waste disposal company) who will inform you about the utilization or removal.

Waste code no.*: 07 06 08

Disposal of uncleaned as well as completely emptied packings:

Disposal according to official regulations. Contaminated packings are to be treated like the substance.

Waste code no.*: 15 01 10

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Further information:

If there is no official regulation, non-contaminated packings can be treated like domestic waste or can be recycled.

*Waste code no.: Waste incurred is classified following the code of the European waste register according to kind of waste and branch.

14. Transport information

No hazardous material as defined by the transport regulations (ADR/RID, IMDG-Code, ICAO-TI/IATA-DGR)

15. Regulatory information

Labelling

Code letter: Xi

Hazard designation: Irritant

contains: -

R-phrases: R41 Risk of serious damage to eyes.

S-phrases: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.

Special labelling of certain preparations (preparation directive 1999/45/EC annex V):
not necessary

National regulations (Germany)

Restrictions of occupation: Juvenile in relation to § 22JArbSchG

Störfallverordnung: -

Classification according to VbF: Not subject to the VbF

Technische Anleitung Luft: -

Water hazard class: WGK 1 (slightly water hazardous); self-classification

16. Other information

Full text of R-phrases appearing in section 3:

(This is not the classification of the product Dental-X-Tabs!)

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information:

This information is based on our present knowledge and describes the safety measures which are to be taken for this product. However, this shall not constitute a guarantee for any product features.

Marking of changes:

A backslash in the left hand margin indicates an amendment from the previous version.