

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.07.2007

Revision: 30.07.2007

* 1 Identification of substance

. Product details

. Trade name **Dentafluid**

. Application of the substance / the preparation *After-treatment agent*

. Manufacturer/Supplier: *Supplier: SIRONA Dental System GmbH
Fabrikstraße 31
D-64625 Bensheim*

http://www.sirona.de

Telefon: +49(0)6251/16-3440

Telefax: +49(0)6251/16-2935

*Manufacturer: Graichen Produktions-und Vertriebs-GmbH
Darmstädterstraße 127-129
D-64625 Bensheim*

. Informing department: *Environment protection department*

. Emergency information: *Advice centre for poisoning university Mainz phone +49(0)6131/19240
or poison information: +49(0)700/GIFTINFO*

* 2 Hazards identification

. Hazard designation: *void*

. Information pertaining to particular dangers for man and environment

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

. Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

* 3 Composition/information on ingredients

. Chemical characterization

. Description: *Phosphate, carbonate in water solution*

. Dangerous components:

CAS: 497-19-8 *Natriumcarbonat*

EINECS: 207-838-8

Xi; R 36 2.5-10%

* 4 First aid measures

. General information: *No special measures required.*

. After inhalation: *Supply fresh air; consult doctor in case of symptoms.*

. After skin contact: *Instantly wash with water and soap and rinse thoroughly.*

. After eye contact: *Rinse opened eye for several minutes under running water.*

. After swallowing: *In case of persistent symptoms consult doctor.*

* 5 Fire fighting measures

. Suitable extinguishing agents: *CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*

Use fire fighting measures that suit the environment.

. Special hazards caused by the material, its products of combustion or flue gases:

PO_x

Carbon monoxide (CO)

Carbondioxid (CO₂)

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Protective equipment: Wear self-contained breathing apparatus.

* 6 Accidental release measures

- Person-related safety precautions:** Refer to Nr. 8
- Measures for environmental protection:** Do not allow to enter the ground/soil.
- Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
- Additional information:** No dangerous materials are released.

* 7 Handling and storage

- Handling**
- Information for safe handling:** No special measures required.
- Information about protection against explosions and fires:** No special measures required.
- Storage**
- Requirements to be met by storerooms and containers:** No special requirements.
- Information about storage in one single storage facility:** Store away from food.
- Further information about storage conditions:** Protect from frost.
Store container in a well ventilated position.

* 8 Exposure controls and personal protection

- Additional information about design of technical systems:** No further data; see item 7.
- Components with critical 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 that were valid during the compilation were used as basis.
- Personal protective equipment**
- Breathing equipment:** Not required.
- Protection of hands:** PVC 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:** Safety glasses recommended during refilling.

* 9 Physical and chemical properties:

General Information

Form: Fluid
Colour: Colourless
Smell: Odourless

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Change in condition	
Melting point/Melting range:	0°C
Boiling point/Boiling range:	100°C
Flash point:	Not applicable
Self-inflammability:	Product is not selfigniting.
Danger of explosion:	Product is not explosive.
Steam pressure at 20°C:	23 hPa
Density at 20°C	1.1 g/cm ³
Solubility in / Miscibility with Water:	Fully miscible
pH-value at 20°C:	10.5
Solvent content:	
Organic solvents:	0.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Dangerous reactions	No dangerous reactions known
Dangerous products of composition:	No dangerous decomposition products known

* 11 Toxicological information

Acute toxicity:	
Primary irritant effect:	
on the skin:	irritating effect
on the eye:	Irritant effect.
Sensitization:	No sensitizing effect known.
Additional toxicological information:	The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

* 12 Ecological information:

General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
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* 13 Disposal considerations

Product:	
Recommendation:	Must be specially treated under adherence to official regulations.
European waste catalogue	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
Uncleaned packagings:	
Recommendation:	Non contaminated packagings can be treated like household garbage.
Recommended cleaning agent:	Water, if necessary with cleaning agent.

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* **14 Transport information**

- . Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)
- . ADR/RID-GGVS/E Class: -
- . Maritime transport IMDG/GGVSea:
- . IMDG/GGVSea Class: -
- . Marine pollutant: No
- . Air transport ICAO-TI and IATA-DGR:
- . ICAO/IATA Class: -

* **15 Regulatory information**

- . Designation according to EC guidelines: *Observe the normal safety regulations when handling chemicals
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).*
- . Safety phrases: *24/25 Avoid contact with skin and eyes.*
- . Special designation of certain preparations: *Safety data sheet available for professional user on request.*
- . National regulations
- . Water hazard class: *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Department issuing data specification sheet: *Environment protection department.*
- . Contact: *Mr. Roland Fell*
- . * Data compared to the previous version altered.