

# Safety data sheet

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

Printing date 26.10.2017

Version number 1801

Revision: 26.10.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier** 5.0
- Trade name: **Dentafluid**
- Article number: 3000-0076
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Application of the substance / the mixture Milling additive  
No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- Manufacturer/Supplier: SIRONA Dental Systems GmbH  
Fabrikstraße 31  
D-64625 Bensheim  
Germany  
<http://www.sirona.de>  
Tel.: +49 (0) 6251/16-1670  
Fax: +49 (0) 6251/16-1818
- Manufacturer: Graichen Produktions-und Vertriebs-GmbH  
Darmstädterstraße 127-129  
D-64625 Bensheim  
Germany  
Tel.: +49 6251 73103  
Fax: +49 6251 77901  
E-Mail: [ehs@graichen-bensheim.de](mailto:ehs@graichen-bensheim.de)  
[www.graichen.net](http://www.graichen.net)
- Further information obtainable from: Environment protection department
- **1.4 Emergency telephone number:** Advice centre for poisoning university Mainz phone +49(0)6131/19240  
or poison information:+49(0)700/GIFTINFO


### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Chemical characterisation: Mixtures

##### · Dangerous components:

CAS: 497-19-8	sodium carbonate	 Eye Irrit. 2, H319	2.5-10%
EINECS: 207-838-8			

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- General information: No special measures required.
- 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.
- After swallowing: If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** Carbon monoxide (CO)  
Carbondioxid (CO<sub>2</sub>)

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**5.3 Advice for firefighters**

Protective equipment:

Wear self-contained respiratory protective device.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**Particular danger of slipping on leaked/spilled product.  
Remove persons from danger area.**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**6.4 Reference to other sections**Dispose contaminated material as waste according to item 13.  
No dangerous substances are released.**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

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 foodstuffs.

Further information about storage conditions:

Protect from frost.  
Store receptacle in a well ventilated area.**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

Additional information about design of technical facilities:

No further data; see item 7.

**8.1 Control parameters**

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.

**8.2 Exposure controls**

Personal protective equipment:

Respiratory protection:

Protection of hands:

Not required.

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:

Goggles recommended during refilling

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

General Information

Appearance:

Form:

Fluid

Colour:

Colourless

Odour:

Odourless

pH-value at 20 °C:

10,5

Change in condition

Melting point/freezing point:

0 °C

Initial boiling point and boiling range:

100 °C

Flash point:

Not applicable.

Auto-ignition temperature:

Product is not selfigniting.

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- Explosive properties: Product does not present an explosion hazard.
- Vapour pressure at 20 °C: 23 hPa
- Density at 20 °C: 1,1 g/cm<sup>3</sup>
- Solubility in / Miscibility with water: Fully miscible.
- Solvent content:
  - Organic solvents: 0,0 %
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

#### 497-19-8 sodium carbonate

Oral   LD50   4,000 mg/kg (rat)
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- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- Additional 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.
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation Must be specially treated adhering 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 packaging:
- Recommendation: Non contaminated packagings may be treated like household garbage.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

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**SECTION 14: Transport information**

- **14.1 UN-Number**  
· ADR, ADN, IMDG, IATA Void
- **14.2 UN proper shipping name**  
· ADR, ADN, IMDG, IATA Void
- **14.3 Transport hazard class(es)**  
· ADR, ADN, IMDG, IATA Void  
· Class
- **14.4 Packing group**  
· ADR, IMDG, IATA Void
- **14.5 Environmental hazards:**  
· Marine pollutant: No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- UN "Model Regulation": Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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.

- 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)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

- \* Data compared to the previous version altered.

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