

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.02.2015

Version number 1501

Revision: 05.02.2015

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** No further relevant information available.
- . Application of the substance / the mixture After-treatment agent
- . **1.3 Details of the supplier of the safety data sheet**
- . Manufacturer/Supplier: Supplier:
SIRONA Dental Systems GmbH
Fabrikstraße 31
d-64625 Bensheim
http://www.sirona.de
Telefon: +49(0)6251/16-3440
Telefax: +49(0)6251/16-2935
- . 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.
- . Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- . Information concerning particular hazards for human 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 according to the latest editions of the EU-lists, and extended by company and literature data.
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- . **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

CAS: 7732-18-5	Wasser	50-100%
EINECS: 231-791-2		
. Description: Phosphate, carbonate in water solution		
. Dangerous components:		
CAS: 497-19-8	sodium carbonate	2.5-10%
EINECS: 207-838-8		
		Xi R36
		Eye Irrit. 2, H319

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: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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5.2 Special hazards arising from the substance or mixture

Use fire extinguishing methods suitable to surrounding conditions.

5.3 Advice for firefighters

Protective equipment:

POx
Carbon monoxide (CO)
Carbondioxid (CO2)

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.
Refer to Nr. 8

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).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

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:

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:

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

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- . pH-value at 20 °C: 10.5
- . Change in condition
 - Melting point/Melting range: 0 °C
 - Boiling point/Boiling range: 100 °C
- . Flash point: Not applicable.
- . Self-igniting: Product is not selfigniting.
- . Danger of explosion: Product does not present an explosion hazard.
- . Vapour pressure at 20 °C: 23 hPa
- . Density at 20 °C: 1.1 g/cm³
- . 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**
- . **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:
- . Primary irritant effect:
 - on the skin: irritating effect
 - on the eye: Irritating effect.
- . Sensitisation: No sensitising effects known.
- . Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU 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 to our experience and the information provided to us.

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.

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. 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
- . **14.2 UN proper shipping name**
- . ADR, ADN, IMDG, IATA
- . **14.3 Transport hazard class(es)**
- . ADR, ADN, IMDG, IATA
- . Class
- . **14.4 Packing group**
- . ADR, IMDG, IATA
- . **14.5 Environmental hazards:**
- . Marine pollutant:
- . **14.6 Special precautions for user**
- . **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
- . UN "Model Regulation":

Void

Void

Void

Void

No

Not applicable.

Not applicable.

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SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . National regulations:
- . Waterhazard class:
- . **15.2 Chemical safety assessment:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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:
- . * Data compared to the previous version altered.

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

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