

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/26/2017

Reviewed on 10/26/2017

1 Identification

- **Product identifier**

- Trade name: **SIROBreeze**
- Application of the substance / the mixture: Cleaning material/ Detergent

- **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)6251/16-1670
Telefax:+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
www.graichen.net

- Information department: Environment protection department
- Emergency telephone number: Advice centre for poisoning university Mainz phone +49(0)6131/19240
or poison information:+49(0)700/GIFTINFO

2 Hazard(s) identification

- **Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**

- GHS label elements
- Hazard pictograms
- Signal word
- Hazard statements
- NFPA ratings (scale 0 - 4)

Void
Void
Void
Void



Health = 0
Fire = 1
Reactivity = 0

- HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**

- Results of PBT and vPvB assessment
- PBT:
- vPvB:

Not applicable.
Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- Description: Detergent composition
- Dangerous components: Void
- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**

- General information: Position and transport stably on side.
No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor: No further relevant information available.
- Most important symptoms and effects, both acute and delayed
- Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture**

No further relevant information available.

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

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Product forms slippery surface when combined with water.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections** No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Store in cool, dry place in tightly closed receptacles.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
Store away from oxidizing agents.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components 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 that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **Breathing equipment:** Not required.
- **Protection of hands:** 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** Nitrile rubber, NBR
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** Value for the permeation: Level \leq 0,7 mm 480min (8h) EN374
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
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.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Color:** Colorless
- **Odor:** Characteristic
- **Odor threshold:** Not determined.

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· pH-value:	Not determined.
· Change in condition Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	> 130 °C (>266 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature: Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Explosion limits: Lower:	Not determined
· Oxidizing properties	Not determined
· Vapor pressure at 20 °C (68 °F):	<0,1 hPa (<0.1 mm Hg)
· Density at 20 °C (68 °F):	0,835 g/cm ³ (6.9681 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity: Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	40 mm ² /s (DIN ISO 51562)
· Solvent content: Organic solvents:	0,0 %
· Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity	No further relevant information available.
· Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· Possibility of hazardous reactions	Reacts with strong oxidizing agents.
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	oxidizing agents
· Hazardous decomposition products:	Carbon monoxide and carbon dioxide

11 Toxicological information

· Information on toxicological effects	
· Acute toxicity:	
· Primary irritant effect:	
· on the skin:	No irritant effect.
· on the eye:	No irritating effect.
· Sensitization:	No sensitizing effects known.
· Additional toxicological information:	The product is not subject to classification according to internally approved calculation methods for preparations: 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.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity	
· Aquatic toxicity:	No further relevant information available.
· Persistence and degradability	No further relevant information available.
· Behavior in environmental systems:	
· Bioaccumulative potential	No further relevant information available.
· Mobility in soil	No further relevant information available.

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Additional 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 course or sewage system.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

Other adverse effects

No further relevant information available.

13 Disposal considerations**Waste treatment methods**

Dispose of contents/container in accordance with local/regional/national/
international regulations.

Uncleaned packagings:

Recommendation:

Non contaminated packagings can be treated like household garbage.

14 Transport information**UN-Number**

DOT, ADR, ADN, IMDG, IATA

Void

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Void

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class

Void

Packing group

DOT, ADR, IMDG, IATA

Void

Environmental hazards:

Marine pollutant:

No

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

UN "Model Regulation":

Void

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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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.

- **Department issuing SDS:**
- Date of preparation / last revision
- Abbreviations and acronyms:

Environment protection department.

10/26/2017 / 1800

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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

- * Data compared to the previous version altered.

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