

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

Trade name: **SIROBreeze**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture: Cleaning material/ Detergent

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
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: Not applicable.
 PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Position and transport stably in side position.
 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.

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.
 Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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** 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Store in cool, dry place in tightly closed receptacles.
- Information about fire - and explosion protection: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage: No special requirements.
- 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 oxidising agents.
- Further information about storage conditions: 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: Not required.
- Respiratory protection: 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
- Protection of hands: 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.
- Material of gloves: 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.
- Penetration time of glove material: Goggles recommended during refilling
- Eye protection:

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- General Information
- Appearance:
 - Form: Fluid
 - Colour: Colourless
- Odour: Characteristic
- Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition
- Initial boiling point and boiling range: 100 °C

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- Flash point: > 130 °C
- Flammability (solid, gas): Not applicable.
- Ignition temperature:
 - Decomposition temperature: Not determined.
- Auto-ignition temperature: Product is not selfigniting.
- Explosive properties: Not determined.
- Explosion limits:
 - Lower: Not determined
- Oxidising properties: Not determined
- Vapour pressure at 20 °C: <0,1 hPa
- Density at 20 °C: 0,835 g/cm³
- Relative density: Not determined.
- Vapour 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: 40 mm²/s (DIN ISO 51562)
- 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**: Reacts with strong oxidising agents.
- **10.4 Conditions to avoid**: No further relevant information available.
- **10.5 Incompatible materials:** oxidizing agents
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

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

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods** Dispose of contents/container in accordance with local/regional/national/international regulations.

- European waste catalogue

13 00 00	OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19)
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13 02 00	waste engine, gear and lubricating oils
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13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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- Uncleaned packaging:
- Recommendation: Non contaminated packagings may be treated like household garbage.

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 Marpol and the IBC Code**
 - UN "Model Regulation":
- Void
- Void
- Void
- Void
- Void
- Not applicable.
- Not applicable.
- 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
 - **15.2 Chemical safety assessment:**
- None of the ingredients is listed.
- 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.

- Department issuing SDS: Environment protection department.
- 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)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative

- * Data compared to the previous version altered.