

## Safety Data Sheet (EC) No. 1907/2006

### 1. Product- and Company Identification

<u>Trade name:</u>	DC Mundspülbecken Des&Clean (DC sink cleaner Ded&Clean), art. No. 705280
<u>Manufacturer:</u>	DC Dental Central Großhandelsges.mBH Carl-Zeiss-Str.2 <b>D-22946 Trittau, Germany</b>
<u>Further information obtainable from:</u>	Tel.: +49 (0)4154/8437 0 Fax: +49 (0)4154/8437 33
<u>Information in case of emergency:</u>	Same as above.

### 2. Composition/information on ingredients

<b>Chemical characterization</b>					
Description: Mixture of substances listed below with nonhazardous additions.					
<b>Hazardous Ingredients:</b>					
<u>Description:</u>	<u>CAS-Nr:</u>	<u>EINECS:</u>	<u>Classification:</u>	<u>R-phrases</u>	<u>Gew.%</u>
Ethanol	64-17-5	200/578-6	F	R 11	10-25
Propane	74-98-6	200-827-9	F+	R 12	2,5-10
Butane	106-97-8	203-448-7	F+	R 12	2,5-10
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	219-145-8	C, Xn, N	R 22. R 35, R 50	≤2,5
<u>Additional information:</u> For the wording of the listed risk phrases refer to section 16.					

### 3. Hazards identification

<u>Hazard description:</u> F+ Extremely flammable
<u>Information concerning particular hazards for human and environment:</u> The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. R 12 Extremely flammable. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children

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### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### GHS label elements:

Danger 2.3/1 - Extremely flammable aerosol.

### Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

### Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

### 4. First aid measures

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

After skin contact: Generally the product does not irritate the skin.

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

After swallowing: If symptoms persist consult doctor.

### 5. Fire-fighting measures

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### For safety reasons unsuitable extinguishing agents:

Water with full jet

#### Special protective equipment for fire fighting:

No special measures required.

### 6. Accidental release measures

#### Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

#### Environmental-protection measures:

Do not allow to enter sewers/ surface or ground water.

#### Procedures for cleaning / absorption:

Ensure adequate ventilation.

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### 7. Handling and storage

#### Handling:

##### Information for safe handling:

Open and handle receptacle with care.

##### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

#### Storage:

##### Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

##### Information about storage in one common storage facility:

Not required.

##### Further information about storage conditions:

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

### 8. Exposure controls/personal protection

##### Additional information about design of technical facilities:

No further data; see item 7.

##### Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

106-97-8 butane

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm

Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

##### Additional information:

The lists valid during the making were used as basis.

Eye protection: Tightly sealed goggles

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

General protective and hygienic measures: Hands before breaks and at the end of work.

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<u>Hand protection:</u>	<p>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.</p> <p>Material of gloves</p> <p>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 cannot be calculated in advance and has therefore to be checked prior to the application.</p> <p>Penetration time of glove material</p> <p>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p>As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR</p>
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### 9. Physical and chemical properties

<u>Form:</u>	Aerosol
<u>Colour:</u>	According to product specification
<u>Odour:</u>	Characteristic
<u>Melting point:</u>	Undetermined
<u>Boiling Point</u>	<35°C
<u>Flash point:</u>	Not applicable, as aerosol.
<u>Ignition temperature:</u>	425°C
<u>Self-igniting:</u>	Product is not self-igniting.
<u>Explosion limits:</u>	lower 3.5 Vol% upper 15.0 Vol%
<u>Density at 20° C:</u>	0.96 g/cm <sup>3</sup>
<u>Solubility in water:</u>	soluble
<u>pH-value at 20°C:</u>	10
<u>Solvent content:</u>	30 %

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### 10. Stability and reactivity

<u>Conditions to be avoided:</u>	No decomposition if used according to specifications.
<u>Dangerous reactions</u>	No dangerous reactions known.
<u>Dangerous decomposition products:</u>	No dangerous decomposition products known.

### 11. Toxicological information

<u>After skin contact:</u>	No irritant effect.
<u>After eye contact:</u>	No irritating effect.
<u>No irritating effect:</u>	No sensitizing effects known.

### 12. Ecological information

#### **Biologic degradation:**

##### Biodegradation:

83% / 21 d MITI test. Readily biodegradable.

#### **Behavior in environmental compartments:**

##### Distribution:

log P(o/w): 3.46 (experimental).

An appreciable bioaccumulation potential is to be expected (log P o/w >3).

#### **Ecotoxic effects:**

##### Biological effects:

Hazard for drinking water supplies.

Bacterial toxicity: activated sludge EC10: 2.2 mg/l/30 min.

#### **Further ecologic data:**

Do not allow to enter waters, waste water, or soil!

### 13. Disposal considerations

#### **Product:**

##### Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 05 00 gases in pressure containers and discarded chemicals

16 05 04 gases in pressure containers (including halons) containing dangerous substances

#### **Uncleaned packaging:**

##### Recommendation:

Disposal must be made according to official regulations.

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### 14. Transport information \*

#### Land transport ADR/RID (cross-border)

ADR/RID class: 2 5F Gases  
Danger code (Kemler): -  
UN-Number: 1950  
Packaging group: -  
Hazard label: 2.1  
Description of goods: 1950 AEROSOLS

#### Maritime transport IMDG:

IMDG Class: 2.1  
UN Number: 1950  
Label: 2.1  
Packaging group: -  
EMS Number: F-D,S-U  
Marine pollutant: No  
Proper shipping name: AEROSOLS

#### Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 2.1  
UN/ID Number: 1950  
Label: 2.1  
Packaging group: -  
Proper shipping name: AEROSOLS, flammable  
UN "Model Regulation": UN1950, AEROSOLS, 2.1

### 15. Regulatory information

#### Labelling according international regulations GefStoffV/EG:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

#### Identification-letter and hazard denotation of the product:

F+ Extremely flammable

#### R-Phrases:

R 12 Extremely flammable.

#### S-Phrases:

S 9 Keep container in a well-ventilated place.  
S 16 Keep away from sources of ignition - No smoking.  
S 23 Do not breathe aerosol.  
S 33 Take precautionary measures against static discharges.  
S 51 Use only in well-ventilated areas.  
S 60 This material and its container must be disposed of as hazardous waste.

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**Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children.

### 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.

Relevant R-phrases:

- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 22 Harmful if swallowed.
- R 35 Causes severe burns.
- R 50 Very toxic to aquatic organisms.

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)
- RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals

\* Data compared to the previous version altered.