

# Safety data sheet

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

Printing date 04.09.2018

Version number 1

Revision: 08.08.2018

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

#### 1.1 Product identifier

Trade name: **Dentalrapid SD wipes, (M, L, XL)**

#### 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 *Disinfectant*

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

Müller-Omicron GmbH & Co. KG  
Schlosserstrasse 1  
D-51789 Lindlar

Telefon: +49 (0)2266-4742-0 Telefax: +49 (0)2266-4742-26

Email: [info@mueller-omicron.de](mailto:info@mueller-omicron.de)

#### Further information obtainable from:

Abteilung: Produktsicherheit

Ansprechpartner: sachkundige Person

Telefon: +49 (0)2266-4742-0

Email: [sds@mueller-omicron.de](mailto:sds@mueller-omicron.de)

Internet: [www.mueller-omicron.de](http://www.mueller-omicron.de)

#### 1.4 Emergency telephone number:

Emergency CONTACT (24-Hours-Number): GBK GmbH +49 (0)613284463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Sol. 1 H228 Flammable solid.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS02

##### Signal word Danger

##### Hazard statements

H228 Flammable solid.

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves / eye protection.

P404 Store in a closed container.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

|                   |   |         |
|-------------------|---|---------|
| CAS: 64-17-5      | ethanol   | 25-50%  |
| EINECS: 200-578-6 | ⚠ Flam. Liq. 2, H225  |         |
| CAS: 71-23-8      | propan-1-ol   | 2.5-10% |
| EINECS: 200-746-9 | ⚠ Flam. Liq. 2, H225; ⚠ Eye Dam. 1, H318; ⚠ STOT SE 3, H336 |         |

- **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**
- **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. If symptoms persist, consult a doctor.
- **After swallowing:**  
If symptoms persist consult doctor.  
Rinse out mouth and then drink plenty of water.
- **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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**  
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**  
Keep receptacles tightly sealed.  
Use only in well ventilated areas.

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- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **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:** Not required.
- **Further information about storage conditions:**  
Store receptacle in a well ventilated area.  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Store in upright position.  
Do not store at temperatures exceeding 40°C
- **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:**

#### 64-17-5 ethanol

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

#### 71-23-8 propan-1-ol

WEL Short-term value: 625 mg/m<sup>3</sup>, 250 ppm  
Long-term value: 500 mg/m<sup>3</sup>, 200 ppm  
Sk

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
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
- **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.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**  
Butyl rubber, BR  
Nitrile rubber, NBR
- **As protection from splashes gloves made of the following materials are suitable:**  
Nitrile rubber, NBR  
Butyl rubber, BR

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· Eye protection:



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form: Liquid on inert carrier material

Colour: White

· Odour: Alcohol-like

· Odour threshold: Not determined.

· pH-value at 20 °C: <10

##### · Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 78 °C

· Flash point: 25 °C

· Flammability (solid, gas): Highly flammable.

· Ignition temperature: 425 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

Lower: 3.5 Vol % (liquid)

Upper: 15.0 Vol % (liquid)

· Vapour pressure at 20 °C: 59 hPa

· Density at 20 °C: 0.91 g/cm<sup>3</sup> (liquid)

· Relative density: Not determined.

· Vapour density: Not applicable.

· Evaporation rate: Not applicable.

· Solubility in / Miscibility with water:

Partly soluble.

· Partition coefficient: n-octanol/water: Not determined.

##### · Viscosity:

Dynamic: Not applicable.

Kinematic: Not applicable.

##### · Solvent content:

Organic solvents: 51 % (liquid)

· 9.2 Other information: No further relevant information available.

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### 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:** No dangerous decomposition products known.

### 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:**

##### **ATE (Acute Toxicity Estimates)**

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 23375 mg/kg (rat) |
|------|------|-------------------|

##### **64-17-5 ethanol**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 7060 mg/kg (rat) |
|------|------|------------------|

|            |          |                  |
|------------|----------|------------------|
| Inhalative | LC50/4 h | 20000 mg/l (rat) |
|------------|----------|------------------|

##### **71-23-8 propan-1-ol**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 1870 mg/kg (rat) |
|------|------|------------------|

|        |      |                     |
|--------|------|---------------------|
| Dermal | LD50 | 5040 mg/kg (rabbit) |
|--------|------|---------------------|

- **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.
- **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.

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· **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

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

· **European waste catalogue**

|          |  |
|----------|--|
| 07 00 00 | WASTES FROM ORGANIC CHEMICAL PROCESSES   |
| 07 06 00 | wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics |
| 07 06 99 | wastes not otherwise specified   |

· **Uncleaned packaging:**· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN3175

· **14.2 UN proper shipping name**· **ADR**

3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), n-PROPANOL (PROPYL ALCOHOL, NORMAL))

· **IMDG**

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), n-PROPANOL (PROPYL ALCOHOL, NORMAL))

· **IATA**

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL, n-PROPANOL (PROPYL ALCOHOL, NORMAL))

· **14.3 Transport hazard class(es)**· **ADR, IMDG, IATA**· **Class**

4.1 Flammable solids, self-reactive substances and solid desensitised explosives.

· **Label**

4.1

· **14.4 Packing group**· **ADR, IMDG, IATA**

II

· **14.5 Environmental hazards:**· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Warning: Flammable solids, self-reactive substances and solid desensitised explosives.

· **Danger code (Kemler):**

40

· **EMS Number:**

F-A,S-I

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|  |  |                 |
|--|--|-----------------|
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> |  | Not applicable. |
| · <b>Transport/Additional information:</b>                                       |  |                 |
| · <b>ADR</b>   |  |                 |
| · <b>Excepted quantities (EQ):</b>   | E2   |                 |
| · <b>Limited quantities (LQ)</b>   | 1 kg   |                 |
| · <b>Excepted quantities (EQ)</b>  | Code: E2   |                 |
|  | Maximum net quantity per inner packaging: 30 g   |                 |
|  | Maximum net quantity per outer packaging: 500 g  |                 |
| · <b>Transport category</b>  | 2  |                 |
| · <b>Tunnel restriction code</b>   | E  |                 |
| · <b>IMDG</b>  |  |                 |
| · <b>Limited quantities (LQ)</b>   | 1 kg   |                 |
| · <b>Excepted quantities (EQ)</b>  | Code: E2   |                 |
|  | Maximum net quantity per inner packaging: 30 g   |                 |
|  | Maximum net quantity per outer packaging: 500 g  |                 |
| · <b>UN "Model Regulation":</b>  | UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), n-PROPANOL (PROPYL ALCOHOL, NORMAL)), 4.1, II |                 |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008 GHS label elements**
- **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.

- **Relevant phrases**  
H225 Highly flammable liquid and vapour.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
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  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Sol. 1: Flammable solids – Category 1  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**