

Product: Zahnreinigungstinktur

Date of issue: 2007-06-05

Version: 01

## EC Safety Data Sheet 1907/2006/EU Zahnreinigungstinktur

### 1. Commercial product name and supplier

Commercial product name: Zahnreinigungstinktur  
Application: Cleaning composition for teeth  
Producer: FAVODENT Karl Huber GmbH  
Greschbachstraße 17  
76229 Karlsruhe, Germany  
Tel.: +49 (0)721 / 62686-0 Fax: +49 (0)721 / 62686-66  
E-Mail: [info@favodent.com](mailto:info@favodent.com)  
TOX emergency number: Ms Apoth. Wolf, phone number: +49 (0)179 / 5146888

### 2. Hazard identification

**Xi** Irritant  
R 36/37/38 Irritant for eyes, respiratory organs and skin  
R 41 Risk of serious damage of the eyes

### 3. Composition

Hydrogen chloride composition, Solution in water

Hazardous components:

| <u>Substance:</u> | <u>CAS-No.</u> | <u>EINECS-No.</u> | <u>Label.</u> | <u>R-Phrase</u> | <u>%</u> |
|-------------------|----------------|-------------------|---------------|-----------------|----------|
| Hydrogen-Chloride | 7647-01-0      | 231-595-7         | C, Xi         | 34-37           | 6-7      |
| Citronell Oil     | 91771-61-8     | 294-954-7         | Xi            | 36/38           | <0,5     |

### 4. First aid measures

Eye contact:

Flush eyes with plenty of water (10-15min). Call a physician.

Skin contact:

Flush with plenty of water and wash skin with soap.

Ingestion:

After Ingestion wash mouth out with water, call a physician immediately and show packaging or label.

Inhalation:

Take into fresh air. If you feel unwell, seek medical advise (show this data sheet).

### 5. Fire-fighting measures

Suitable extinguishing media:

Foam, powder, carbon dioxide, water spray

Extinguishing media to avoid:

Strong bases, metals

Further information:

Vapour is not flammable

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### 6. Accidental release measures

#### Personal precautions

Use personal protective equipment. Keep people away from and upwind of spill/leak.

#### Environmental precautions

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

#### Cleaning and absorption procedure

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material and dispose of as hazardous waste.

### 7. Handling and storage

#### Handling:

Only adequately trained personnel should handle this product. Keep out of reach of children.

#### Industrial hygiene:

Usual hygienic measures are necessary. When using, do not drink, eat or smoke.

#### Storage:

Not near food.

#### Place of storage:

Store in a cool, dry place.

### 8. Exposure controls / personal protection

#### Technical equipment:

Provide adequate local ventilation. Control airborne concentration below the exposure guideline.

#### Control of threshold limits:

| CAS- No.  | Substance                  | Limit                                   | Peak limit |
|-----------|----------------------------|---|------------|
| 7647-01-0 | Hydrogen Chloride (DFG), Y | 3 mg/m <sup>3</sup> 2 ml/m <sup>3</sup> | 2(l)       |

#### Respiratory protection:

Aerosols: Do not breathe vapour or spray. In poorly ventilated areas, use air-purifying respiratory

#### Hand protection:

Glove

#### Eye protection:

Safety goggles.

#### Other:

Safety shower and eye wash fountain should be located in work area.

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### 9. Physical and Chemical properties

|                                  |                                |
|----------------------------------|--------------------------------|
| <u>Appearance:</u>               | liquid                         |
| <u>Colour:</u>                   | clear                          |
| <u>Odour:</u>                    | odourless or little pungent    |
| <u>Change in physical state:</u> |                                |
| <u>Boiling point:</u>            | 100 °C                         |
| <u>Ignition temperature:</u>     | not applicable                 |
| <u>Flashpoint:</u>               | not applicable                 |
| <u>Explosion limits:</u>         | vapours are not flammable      |
| <u>Density:</u>                  | 1,01 g/cm <sup>3</sup> at 20°C |
| <u>Solubility in water:</u>      | yes                            |
| <u>pH-Value:</u>                 | <1                             |

### 10. Stability and reactivity

|                                 |   |
|---------------------------------|---|
| <u>Thermal decomposition:</u>   | No decomposition by storage at room temperature |
| <u>Hazardous decomposition:</u> | With strong bases                               |
| <u>Hazardous reactions:</u>     | No hazardous reactions if used correct          |
| <u>Further information:</u>     | Not available                                   |

### 11. Toxicological information

|                        |   |
|------------------------|---|
| <u>Acute toxicity:</u> | LD <sub>50</sub> : Hydrogen chloride acid 900 mg/kg (rabbit)                                |
| <u>Sensitiveness:</u>  | Not sensitive   |
| <u>Eyes:</u>           | Material is destructive to eyes   |
| <u>Skin:</u>           | Causes burns  |
| <u>Acute effects:</u>  | Causes burns, may be harmful if adsorbs through the skin. May be very harmful if swallowed. |

### 12. Ecological information

|   |   |
|---|---|
| <u>Information on elimination (persistence an degradability):</u> | Biological easy degradable                      |
| <u>Environment:</u>   | sinks the pH-value in water                     |
| <u>Fish toxicity:</u>   | toxic for fish and plants                       |
| <u>Bacterial toxicity:</u>  | not available                                   |
| <u>General Advice:</u>  | do not let reach waters, waste waters or ground |

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**Zahnreinigungstinktur****13. Disposal considerations**

Recommendation: Complete empty cans, normal trash, please ask local authorities in the case of cans with content.

Polluted packaging: Waste disposal in line with local regulations.

**14. Transport information**

Transport at land ADR/RID and GGVS/GGVE (border crossing / in the country)

ADR/RID-GGVS/E class: 8, corrosive agents

Kemler-Cipher: 80

UN-No.: 1789

Component: Corrosive liquid.  
(Hydrogen chloride acid, Solution diluted)

Packaging group: III

Transport at see IMDG/GGVSee:

IMDG/GGVSee-class: 8

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EMS-No.: F-A, S-B

Marine pollutant: No

Correct technical name: Corrosive liquid, (Hydrogen chloride acid, Solution diluted)

Packing group III

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA-class: 8

UN/ID-No.: 1789

Packaging group: III

Correct technical name Corrosive liquid, (Hydrogen chloride acid, Solution diluted)

**15. Regulatory information**

This product requires classification according to the criteria of the EC and the „Gefahrstoffverordnung“

Hazard designation:

Xi irritant

Risk phrases:

R 36/37/38 Irritant for eyes, respiratory organs and skin

R 41 Risk of serious damage of the eyes

Safety phrases:

S 2 Keep out in the reach of children

S 7 Keep container tightly closed.

S 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice

S 64 If swallowed, rinse the mouth with water, (only if the person is conscious)

Wassergefährdungsklasse (WGK): 1

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**16. Other information**

The above mentioned dates correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.