

## EC Safety Data Sheet according to 1907/2006/EC

### Favosept® Concentrate

#### 1. Commercial product name and supplier

**Commercial product name:** Favosept® Concentrate  
**Application:** Care and disinfection of dental instruments  
**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)  
**Emergency Phone Number:** Ms Apoth. Wolf, Tel.: +49 (0)179 / 5146888

#### 2. Hazard identifications

C, at ingestion deleterious to health, resulting in corrosion, sensitization through inhalation possible.  
 R 22 Harmful if swallowed.  
 R 34 Causes burns.  
 R 42 May cause sensitisation by inhalation.

#### 3. Composition

Disinfectant for dental/chirurgical instruments

**Hazardous components:**

<u>Component:</u>	<u>CAS-No.</u>	<u>EG-Ind.-No.</u>	<u>EINECS-No.</u>	<u>Label</u>	<u>R-Phrase</u>	<u>%</u>
1,4-Butandiol	110-63-4	603-096-00-8	203-786-5	Xn	22	15-35
Dialcylmethylalcoxy- Ammoniumpropionat	94667-33-1	-	-	C, N	22-34-50	5-15
N,N-Bis(3-Aminopropyl)- dodecylamin	2372-82-9	-	219-145-8	C, N	22-35-50	5-15
2-(2Butoxyethoxy)- ethanol	112-34-5	603-096-00-8	203-961-6	Xi	36	15-30
Piperazin	110-85-0		203-808-3	C	34-42/43 52/53	<5
Ethandiol	107-21-1		203-473-3	Xn	22	<5
L-Lactic Acid	79-33-4		201-196-2	Xi	38-41	<5

#### 4. First aid measures

**General advices:**

Eliminate clothes polluted by the product.

**Inhalation:**

Take into a lot of fresh air. Call a physician.

**Skin contact:**

Wash up immediately with water and soap and thoroughly rinse. Swab with polyethylenglycol 400. In the case of continuing skin irritation call for a physician.

**Eye contact:**

Immediately rinse completely opened eyes for 10 min. under running water. Call for a physician.

**Ingestion:**

Drink a lot of water, do not cause vomiting, danger of perforation. Call for a physician. No neutralisation trials.

## EC Safety Data Sheet according to 1907/2006/EC

### Favosept® Concentrate

#### 5. Fire-fighting measures:

Suitable extinguishing media:

Foam, powder, water spray

Special hazards resulted from the agent, its burned products or resulting gasses:

Component burns. In the case of a fire carbon monoxide (CO), chlorine hydrogen and nitric oxide can be released.

Special protective equipment in case of fighting against fire:

In the case of massive development of harmful substances use a respirator that is independent of the environment and of air

Special Advices:

Avoid the penetrating of extinguished water into waters at surface or ground waters.

#### 6. Measures in case of non-intended release

Precaution measures linked to a person:

Do not inhale vapour /aerosols. Avoid any contact with the substance.

Environmental measures:

Do not let reach drainage or water courses.

Cleaning/pick up procedures:

Can be picked up by material able to suck (Kieselgur).

Additional advice:

-

#### 7. Handling and storage

Instructions for safe use:

Avoid strong acids.

Instructions for protection against fire and explosion:

Product is not explosive.

Storage:

Keep container tightly locked. Storage at room temperature in rooms with good air ventilation.

Instructions for storage with other products:

No storage near food

Further details according to storage conditions:

Use a dry place for storage.

Storage class:

-

VbF-class:

-

## EC Safety Data Sheet according to 1907/2006/EC Favosept<sup>®</sup> Concentrate

### 8. Exposure controls / personal protective equipment

Components those limit values have to be controlled according to each workplace:

<u>CAS-No.</u>	<u>Component:</u>	<u>Value</u>	<u>Unity</u>
110-63-4	1,4-Butandiole	MAK(TRGS 900)	50ml/m <sup>3</sup> , 200 mg/m <sup>3</sup>
112-34-5	2-(2Butoxyethoxy)- Ethanol	MAK(TRGS 900)	100 mg/m <sup>3</sup>
110-85-0	Piperazine	MAK (TRGS900)	0.1 mg/m <sup>3</sup> (Longterm)
107-21-1	Ethandiole	DFG-MAK	26 mg/m <sup>3</sup>

Personal protective equipment:

Respiratory protection:

Avoid to inhale aerosols and vapour.

Hand protection:

Acid-proof protective gloves

Eye protection:

Tightly closing protective goggles

Body protection:

Labour clothes

General protection and hygiene measures

Take off immediately polluted, drenched clothes. Do not inhale gas / vapour / aerosols.

Avoid skin and eye contact. At work do not eat, drink, smoke.

### 9. Physical and chemical properties

<u>Appearance:</u>	liquid
<u>Colour:</u>	yellowish
<u>Odour:</u>	typical, like amines
<u>Data relevant to security:</u>	
<u>Boiling point:</u>	not determined
<u>Ignition temperature:</u>	not determined
<u>Flashpoint:</u>	> 100°C
<u>Danger of explosion:</u>	Product can constitute vapour and gas mixtures,
<u>Limits of explosion:</u>	not determined
<u>Vapour pressures:</u>	not determined
<u>Density:</u>	1,02 g/cm <sup>3</sup> at 20°C
<u>Solubility in water:</u>	can be completely mixed with water
<u>pH-value:</u>	9,9

### 10. Stability and reactivity

Conditions to be avoided:

No decomposition at room temperature. No dangerous reactions at correct storage.

Components to be avoided:

Avoid strong acids.

Hazardous decomposition:

Not known

Further information:

## EC Safety Data Sheet according to 1907/2006/EC Favosept® Concentrate

### 11. Toxicological information

Acute toxicity:

Not known

LD/LC<sub>50</sub>-values relevant for classification:

-

Primary irritation effect:

On skin:

Corrosive effect on skin and mucosal.

At eye:

Strong corrosive effect.

On respiratory organism:

-

Sensitization:

Possible sensitization at inhalation. Due to examinations according to OECD No. 406 and the method B6 (RL 96/54/EC) it resins, that the product has not be characterized by „sensitization through skin contact possible“.

Additional advices:

At ingestion strong corrosive action in mouth and faces and danger of perforation at gullet and stomach.

### 12. Ecological information

Instructions for elimination:

Is completely degradable.

Behaviour in environmental compartments:

-

Eco-toxic effect:

-

Bacteriocidal toxicity:

-

General advices:

Do not let reach waters, waste waters or ground.

### 13. Disposal considerations

Recommendation:

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

European waste key number:

070000 wastes resulting from organic-chemical processes.

070600 wastes resulting from HZVA of fats, lubricants, soaps, detergents, disinfecting agents and hygienic products.

Polluted packaging:

Waste disposal in line with local regulations.

## EC Safety Data Sheet according to 1907/2006/EC Favosept® Concentrate

### 14. Transport information

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

ADR/RID-GGVS/E class: 8 (C7), corrosive agents

Cipher/ letter: 56 b

UN-No.: 3267

Component: 3267 Corrosive basic organic liquid agent, n.a.g. N,N-Bis(3-Aminopropyl)-dodecylamin

Packaging group: II

Transport at see IMDG/GGVSee:

IMDG/GGVSee-class: 8

Page: -

UN-No.: 3267

EMS-No.: 8-15

Marine pollutant: Yes

Correct technical name: Corrosive liquid, basic, organic, n.o.s. N,N-Bis(3-Aminopropyl)-dodecylamine

Comment: Packing group II

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA-class: 8

UN/ID-No.: 3267

Correct technical name: Corrosive liquid, basic, organic, n.o.s. N,N-Bis(3-Aminopropyl)-dodecylamine

Considerations: -

### 15. Regulatory information

Classification according to EEC-directives:

The product is classified and registered according to EC-directives / GefStoffV.

Classification letters and hazard designation:

Corrosive, C

Risk phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

R 42 May cause sensitisation by inhalation.

Safety phrases:

S 1/2 Keep locked up and out of reach of children.

S 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

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

S 28 After contact with skin wash immediately with plenty of water and soap.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Classification according to VbF:

-

Class of water danger:

2 (own classification)

**EC Safety Data Sheet according to 1907/2006/EC**  
**Favosept<sup>®</sup> Concentrate**

**16. Other information**

The indications are based upon our actual knowledge. However, they do not promise product properties and do not cause any contractual agreement.  
Existing laws and regulations have to be respected by the receiver of our products at their own responsibility.