

## 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

### 1.1 Product identifier

Chemical name: EDTA 17% solution  
Product name: EDTA 17%

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

Applications: For canal irrigation  
Product use: Dentistry

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

Manufacturer: Magnum Dental OÜ, Aardla 13, 50112 Tartu, Estonia  
Phone: +372 7371647  
E-mail: dental@magnum.ee

### 1.4 Emergency telephone number:

Estonia 112,  
Finland 112

## 2. HAZARD IDENTIFICATION:

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Index No	International Chemical Identification	EC No	CAS No	Classification		Labelling			Specific Conc. Limits, M-factors
				Hazard Class and Category Code(s)	Hazard statement Code(s)	Pictogram, Signal Word Code(s)	Hazard statement Code(s)	Suppl. Hazard statement Code(s)	
-	Disodium edetate dihydrate	613-386-6	6381-92-6	Acute Tox. 4 STOT RE 2	H332 H373	GHS08 GHS07 Wng	H332 H373	-	
011-002-00-6	Sodium Hydroxide	215-185-5	1310-73-2	Skin Corr. 1A	H314	GHS05 Dgr	H314	-	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

**Hazard Class and Category:** Skin Corrosive, 1A  
Acute toxicity, 4  
Specific target organ toxicity after repeated exposure, 2

**Hazard statement:** H332 – harmful if inhaled  
H373 – may cause damage to organs  
H314 - Causes severe skin burns and eye damage  
H319 – Causes serious eye irritation  
H410 – Very toxic to aquatic life with long lasting effects

## 2.2 Label elements

### Pictograms:

GHS05: Corrosion (signal word: Danger)



GHS07: Exclamation mark (signal word: Warning)



GHS08: Health hazard



GHS09: Environment



## 2.3 Other hazards

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

**3.1 Substances:** See Section 3.2

#### 3.2 Mixtures

**Chemical nature:** aqueous solution containing Disodium edetate dihydrate and purified water. Assay of Disodium edetate dihydrate is 15.3 - 21.3%.

The sodium hydroxide is used to adjust pH. Assay of Sodium hydroxide is <5%. During the preparation process, a solution of the ethylenediaminetetraacetic acid salt is formed and the resulting preparation no longer has sodium hydroxide.

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-	Purified water	231-791-2	7738-18-5	-	-	-	-	-	

### 4. FIRST AID MEASURES:

#### 4.1 Description of first aid measures

**Inhalation:** **P304+P340** if inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**P312** Call a poison center or doctor/physician if you feel unwell.

**Skin contact:** **P303+P361+P353** if on skin (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
**P302+P352** if on skin: wash with plenty of soap and water  
**P363** Wash contaminated clothing before reuse  
**P312** Call a poison center or doctor/physician if you feel unwell.

**Eye contact:** **P305+P351+P338** if in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Promptly wash eyes with plenty of water while lifting the eyelids.

**Ingestion:** **P301+P330+P331** If swallowed: rinse mouth. Do not induce vomiting.  
**P301+P312** if swallowed: Call a poison center or doctor/physician if you feel unwell.

## 4.2 Most important symptoms and effects, both acute and delayed

See Section 11.

## 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES:

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**5.1 Extinguishing media:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**5.2 Specific hazards arising from the substance or mixture:** By heating and fire, harmful vapors/gases may be formed.

**5.3 Advice for firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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## 6. ACCIDENTAL RELEASE MEASURES:

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**6.1 Personal precautions, protective equipment and emergency procedures:**

- P260** Do not breathe dust/fume/gas/mist/vapors/spray.
- P264** Wash thoroughly after handling
- P280** Wear protective gloves/protective clothing/eye protection/face protection
- P271** Use only outdoors or in a well-ventilated area.
- P270** Do not eat, drink or smoke when using this product.

**6.2 Environmental precautions:** Follow all government regulations for waste disposal. Prevent release to the environment if possible. Do not flush waste into sewer or waterways.

**6.3 Methods and material for containment and cleaning up:**

**Small spills:** Wear gloves and safety glasses and pick up spill with absorbent material, such as paper towels or disposable cloths. Dispose of absorbent material in suitable container and wash the exposed area with soap and water.

**Large spills:** Wear proper protective equipment and absorb spill with inert, dry, non-combustible material (e.g., vermiculite, sand or earth). Dispose of non-combustible material in suitable container and flush area with water.

**Waste Disposal Methods:** Dispose of safely in accordance with local, state regulations.

**6.4 Reference to other Sections:** See Section 8.

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## 7. HANDLING AND STORAGE:

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**7.1 Precautions for safe handling:** Avoid breathing of vapors, mists or spray. Avoid contact with oxidizing agents. Avoid eye contact with vapors, mists, or spray. Avoid prolonged or repeated skin contact. Wash hands after handling and before eating.

Close the bottle immediately after use.

**7.2 Conditions for safe storage, including any incompatibilities:**

Product storage temperature: +15° ...+25°C. Keep container tightly closed. Store the bottle in an upright position. Store out of direct sunlight. Store container in a dry, well-ventilated area away from incompatible substances. Store away from oxidizing agents.

**7.3 Specific end use(s):** See Section 1.2

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**8. EXPOSURE CONTROL AND PERSONAL PROTECTION:**

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**8.1 Control parameters**

**Occupational exposure limits:**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**Biological limit values:** Not available

**Exposure limits at intended use:** Not available

**8.2 Exposure controls**

**Engineering controls:** Use in a well-ventilated area.

**Respiratory Protection:** Avoid breathing of vapors, mists or spray

**Eye/Face Protection:** Avoid eye contact with vapors, mists, or spray.  
The following eye protection(s) are recommended: Safety Glasses with side shields.

**Skin Protection:** Avoid prolonged or repeated skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment.

**Prevention of Swallowing:** Do not ingest. Wash hands after handling and before eating.

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**9. PHYSICAL DATA:**

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**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical:** Clear liquid  
**Colour:** Colorless to lightly yellow  
**pH value:** 8.0 – 9.0

**Characteristic temperatures**

**Boiling point:** 100°C  
**Freezing Point:** 0°C  
**Relative Density:** 1.095 – 1.195 g/ml @ 20°C  
**Solubility in water:** Complete  
**Flammability:** Not flammable

**9.2. Other information** Not available

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## **10. STABILITY AND REACTIVITY:**

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**10.1 Reactivity:** See Section 7.2

**10.2 Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions** See Section 7.2

**10.4 Conditions to Avoid:** Extremely high or low temperatures.

**10.5 Incompatible materials:** Strong oxidizing agents.

**10.6 Hazardous decomposition products:** Nitrogen oxides, carbon monoxide, carbon dioxide, ammonia and/or derivatives.

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## **11. TOXICOLOGICAL INFORMATION:**

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### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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### **11.2. Information on other hazards**

**Hazardous ingredients:** Disodium edetate dihydrate  
Sodium Hydroxide

**Oral:** LD50: 2000 mg/kg (rat)

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## **12. ECOLOGICAL INFORMATION:**

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**12.1. Toxicity:** Not available.

**12.2. Persistence and Degradability:** Not available.

**12.3. Bioaccumulative Potential:** Not available.

**12.4. Mobility in soil:** No data concerning the effect on environment of this product. If handled and used properly, no ecological problem is to be feared.

**12.5. Results of PBT and vPvB assessment:** Not applicable.

**12.6. Endocrine disrupting Properties:** Not available.

**12.7. Other adverse  
Effects:**

No further information available.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

User's attention is drawn on the possible existence of specific legislative, regulatory and administrative dispositions related to its elimination; these regulations may be applicable either in the European Community or to be national or local.

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**14. TRANSPORT INFORMATION:**

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GENERAL Not classified for Transport.

Not hazardous according to RID, ADR, ADN, IMDG; IATA-DGR; CFR and TDG.

**14.1 UN number** Not applicable

**14.2 UN proper shipping  
Name:** Not applicable

**14.3 Transport hazard  
class(es)** Not applicable

**14.4 Packing group** Not applicable

**14.5 Environmental hazard** Not applicable

**14.6 Special precautions for  
User** Not applicable

**14.7 Maritime transport in  
Bulk according to IMO  
Instruments** Not applicable

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**15. REGULATORY INFORMATION:**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This SDS has been established in accordance with REACH regulation.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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## **16. OTHER INFORMATION:**

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### **Full text Statements referred under section 2 and 3:**

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**H410** – Very toxic to aquatic life with long lasting effects  
**GHS05** – Corrosion  
**GHS07** – Exclamation mark  
**GHS08** – Health hazard  
**GHS09** – Environment

### **Explanations for possible abbreviations mentioned in above sections**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
RID: International Carriage of Dangerous Goods by Rail  
IMDG Code: International Maritime Dangerous Goods Code  
IATA-DGR International Air Transport Association.  
PBT: Persistent, Bio accumulative and Toxic  
vPvB: Very Persistent and Very Bio accumulative

**DISCLAIMER:** This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This Material Safety Data Sheet has been made in accordance with Regulation (EC) No 2020/878 requirements.

Safety data sheet available for professional user on request.

### **Document history** (starting from 2024)

<b>Date</b>	<b>Alterations</b>
13.02.2024	Updated hazard statements and pictograms in points 2.1, 2.2, 11.1 and 16, according to CLP regulation. Updated storage conditions in point 7.2.