1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

1.1 Product identifier

Chemical name: Sodium Hypochlorite, solution 3% Cl active
Product name: Canasol 3%

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

Applications: For canal irrigation, for dentists use only
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 7371642
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) 1272/2008, CLP

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)	
017-011-00-1	sodium hypochlorite, solution ...% Cl active	231-668-3	7681-52-9	Skin Corr. 1B Aquatic Acute 1	H314 H400	GHS05 GHS09 Dgr	H314 H400	EUH031	EUH031: C ≥ 5 %*

***** According to the REGULATION (EC) No 1272/2008. Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

Hazard Class and Category: Skin Corrosive, 1B
Aquatic Acute, 1

Hazard statement: H314 – causes severe skin burns and eye damage
H400 – very toxic to aquatic life

2.2 Label elements

Pictograms: GHS05: Corrosion (signal word: Danger)

GHS09:Environment

Supplementary Hazard Code: EUH031 – contact with acids liberates toxic gas

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 Sodium Hypochlorite and purified water.
Assay of Active Chlorine is >2,5%

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)	
017-011-00-1	sodium hypochlorite, solution ...% Cl active	231-668-3	7681-52-9	Skin Corr. 1B Aquatic Acute 1	H314 H400	GHS05 GHS09 Dgr	H314 H400	EUH031	EUH031: C ≥ 5 %*
-	Purified water	231-791-2	7738-18-5	-	-	-	-	-	-

***** According to the REGULATION (EC) No 1272/2008. Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

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.
P310 Immediately call a poison center or doctor/physician

Skin contact: **P303+P361+P353** if on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse

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.

Ingestion: **P301+P330+P331** if swallowed: rinse mouth. Do not induce vomiting.

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

5. FIRE FIGHTING MEASURES:

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 vapours/gases may be formed.

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

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures: **P260** Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

6.2 Environmental Precautions: **P273** Avoid release to the environment.

6.3 Methods for Cleaning Up: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

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

6.4 Reference to other Sections See Section 8.

7. HANDLING AND STORAGE:

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. Remove the gasket from the gap before use and place the gasket in an appropriate waste disposal container. Close the bottle immediately after use.

7.2 Conditions for safe storage, including any incompatibilities: Store the bottle in an upright position. Keep container dry. Product storage temperature +2º...+25ºC. Store out of direct sunlight. Store away from acids. Store away from oxidizing agents. Keep container in well-ventilated area. Store in a dry place.

7.3 Specific end use(s): See Section 1.2

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

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.
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.

9. PHYSICAL DATA:

9.1. Information on basic physical and chemical properties

Appearance

Physical: Clear liquid
Colour: Pale yellow
Odour: Characteristic odour of chlorine
pH value: 11.5...13.5

Characteristic temperatures

Boiling Point (°C):	~100ºC
Freezing point (°C):	close to 0ºC
Relative density:	1.017-1.117 g/ml @ 20 °C
Solubility in water:	Soluble
Flammability:	Not flammable

9.2. Other information Not available

10. STABILITY AND REACTIVITY:

10.1 Reactivity See Section 7.2

10.2 Chemical stability: Stable

10.3. Possibility of hazardous reactions: See Section 7.2

10.4 Conditions to Avoid: Not available

10.5 Incompatible materials: Ammonia, reducing agents, combustible materials, organic materials, acids.

10.6 Hazardous decomposition products: Not available

11. TOXICOLOGICAL INFORMATION:

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

Hazard Class and Category: Skin Corrosive, 1B
Aquatic Acute, 1

Hazard statement: H314 – causes severe skin burns and eye damage
H400 – very toxic to aquatic life

11.2. Information on other hazards

Hazardous ingredients: Sodium hypochlorite solution...% Cl active

Oral: LD50 5800 mg/kg (Mouse)

12. ECOLOGICAL INFORMATION:

12.1. Toxicity Harmful effect by pH modification

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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

P391 Collect spillage

13.1.1 Packaging disposal

After removal of the gasket, place the gasket in a suitable waste disposal container.

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.

14. TRANSPORT INFORMATION:

Sodium hypochlorite solution can be shipped according to transport regulations for dangerous goods, hazard class 8, Corrosive substance.

Transport Labeling

Label no.8 Corrosive substances

RID/ADR

14.1. UN Number	1791
14.2 UN proper shipping Name	Sodium Hypochlorite Solution
14.3 Transport hazard class(es)	8
14.4 Packing group	III
14.5. Environmental Hazards	Not available

14.6 Special precautions for User

Label		Corrosive, 8
Classification code		C9
Danger panel	80/1791	(Hazard Identification No.80) (UN Identification No 1791)

14.7 Maritime transport in Bulk according to IMO Instruments

UN No.	1791
Hazard class	8
UN Packing Group	III
Proper shipping name	Sodium Hypochlorite Solution
EmS No.	F-A, S-B

Marine pollution	No

IATA/IT-ICAO

Proper shipping name	Sodium Hydroxide Solution
UN No.	1791
Hazard class	8
UN Packing Group	III
IATA Label	Corrosive
Packaging Note Passenger	819
Packaging Note Cargo	821
Max. Quantity Passenger	1 l
Max. Quantity Cargo	60 l
Special requirement	A3
ERG Code	81

15. REGULATORY INFORMATION:

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.

16. OTHER INFORMATION:

Full text Statements referred under section 2 and 3:

H314 – causes severe skin burns and eye damage
H400 – very toxic to aquatic life
EUH031 – contact with acids liberates toxic gas
GHS05 – Corrosion
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
ICAO/IATA: International Civil Aviation Organization/ International Air Transport Association.
UN: United Nations number
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

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)

Date	Alterations
13.02.2024	No changes were made, the document is up to date.