1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

CHEMICAL NAME: **CANASOL 3% solution**
APPLICATIONS: **For canal irrigation**
MANUFACTURER: **Magnum Dental OÜ, Aardla 13, 50112 Tartu, Estonia**
Phone: +372 7371647

Emergency telephone number: Estonia 112, Finland 112

2. HAZARD IDENTIFICATION:

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) 1272/2008, CLP

Signal word : Danger

GHS05: Corrosion

Hazard statement:
Skin corrosive; category 1B H314: Causes severe skin burns and eye damage
Corrosive to metals; H290: May be corrosive to metals
Contact with acids liberates toxic gas (C≥ 5%) EUH031

2.1.2. Classification according to Directive 67/548/EEC, Annex I

Xi; Irritant

R31 Contact with acids liberates toxic gas

For health effects:
R36/38: Irritating to eyes and skin.

2.2. Label elements

2.2.1. Labeling according to Directive 67/548/CEE- Annex I

Code letter and hazard designation of product:
Xi Irritant

R-phrases
R31 - contact with acids liberates toxic gas
R36/38 - Irritating to eyes and skin.

S-phrases
S28 - after contact with skin, wash immediately with plenty of
S45 - in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S50 - do not mix with acids

2.3. Other effects

The substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB).

3. COMPOSITION/INFORMATION ON INGREDIENTS:

PREPARATION
Chemical nature: aqueous solution containing Sodium Hypochlorite, Disodium metasilicate pentahydrate, Edetate disodium.

Component contributing to danger:

Ingredient Name	Content	CAS / Reach No.	Classification according to Dir. 67/548/EC	Classification according to Reg. (EC) No. 1272/2008)*
Sodium hypochlorite	2,5-3,5%	7681-52-9 01-2119488154-34- 0039	C; N; R31-34-50*	H314 Causes severe skin burns and eye damage. H290 Corrosive to metals: Eye Damage 1 H318 STOT Single Exp H335 Aquatic acute 1: H400 M factor: 10
Disodium metasilicate pentahydrate	2,5-3,0%	10213-79-3	C; R34-37	H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.

*** See section 16 for the full text of the R phrases and H-statement declared above.**

4. FIRST AID MEASURES:

Inhalation: Not relevant. Inhalation unlikely.
Skin contact: Wash skin with soap and water.
Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.
Ingestion: Do not drink. Do not induce vomiting! Drink a few glasses of water or milk.
Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES:

Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Specific hazards: By heating and fire, harmful vapours/gases may be formed.
Protective measures fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Avoid skin contact and wear protective equipment.
Environmental Precautions: Do not allow to enter natural water courses
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.

7. HANDLING AND STORAGE:

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.

Storage:

Keep container dry. Product storage temperature +2º - +22ºC. Keep container tightly closed. Store out of direct sunlight. Store away from acids. Store away from oxidizing agents. Keep container in well-ventilated area. Store in a cool, dry place.

Packaging materials:

Recommended: dark glass bottle
Unadvised: usual metals

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

Engineering controls:

Use in a well-ventilated area.

Personal protective equipment :

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:

Appearance	
Physical:	**Clear** liquid
Colour:	pale yellow
Odour:	characteristic odour of chlorine
pH:	12-13
Characteristic temperatures	
Boiling Point (°C):	~100ºC
Freezing point (°C):	close to 0ºC
Relative density:	1.05-1,15 @ 20 °C
Solubility in water:	soluble

10. STABILITY AND REACTIVITY:

Stability:	Stable.
Hazardous polymerization:	No dangerous decomposition products known.
Incompatible materials:	Ammmonia, reducing agents, combustible materials, organic materials, acids.

11. TOXICOLOGICAL INFORMATION:

Hazardous ingredients: Sodium hypochlorite solution...100% Cl active
ORL MUS LD50 5800 mg/kg

12. ECOLOGICAL INFORMATION:

Mobility:	No data concerning the effect on environment of this product. If handled and used properly, no ecologigal problem is to be feared.
Bioaccumulation:	No further relevant information available.

Ecotoxicity: Harmful effect by pH modification
Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes
must be sent for disposal by approved waste contractor. Consign empty container to normal waste.

Note: 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

UN No.	1791
Proper shipping name	Sodium Hypochlorite Solution
Hazard class	8
UN Packing Group	III
Label	Corrosive, 8
Classification code	C9
Danger panel 80/1791	(Hazard Identification No.80) (UN Identification No 1791)

IMDG/IMO

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:

Product is intended for professional use only in the practice of dentistry.
Product is considered safe if used as intended.
Store away from heat and light. Product storage temperature +2º - +8ºC.

16. OTHER INFORMATION:

16.1. Full text of H-Statements referred to under sections 2 and 3

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life

16.2 Full text of R-phrases referred to under sections 2 and 3

R31 - contact with acids liberates toxic gas
R34 - causes burns
R50 - very toxic to aquatic organisms
R36/38 - irritating to eyes and skin.

16.3. Full text of S-Statements referred to under sections 2 and 3.

S28 - after contact with skin, wash immediately with plenty of water
S45 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice - in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S50 - do not mix with acids

16.5. 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 Road
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 1907/2006 (REACH) requirements.

Safety data sheet available for professional user on request.