



**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT IDENTIFIER & IDENTITY FOR THE MATERIAL**

**Product Name:** HYPOCHLOR 1% Solution  
**Product Codes:** DL0603 Endosure Hypochlor 1% Solution 1.25L,  
 DL0605 Endosure Hypochlor 1% Solution 500mL,

**Recommended use:** Endodontic irrigation solution.

**Contact Information:**

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Dentalife Australia Pty Ltd	Factory 9 / 505 Maroondah Highway Ringwood VIC 3134 Australia	+61 3 9879 1226

For Advice in an Emergency contact:  
 Australia Poisons Information Centre (24 hour, 7 days a week) Phone: 13 11 26  
 New Zealand Poisons Information Centre (24 hour, 7 days a week) Phone: 0800 764 766  
 Or a Doctor at once

**SECTION 2 HAZARDS IDENTIFICATION**

**Hazard:** Corrosive.

**Target Organs:** None.

**Signal Word:** Warning.

**Pictograms:**



**GHS Classification:**

Skin corrosion	Category 2
Serious eye irritation	Category 2A
Acute aquatic toxicity	Category 1

**GHS Label Elements, including precautionary statements:**

**Hazard Statements:**

H315	Category 2
H400	Category 2A



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### Precautionary Statements:

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local regulations.

### Potential Health Effects:

<b>Eyes</b>	Causes eye burns.
<b>Inhalation</b>	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin burns.
<b>Ingestion</b>	May be harmful if swallowed.

### NFPA Ratings:

<b>Health</b>	2
<b>Flammability</b>	0
<b>Reactivity</b>	0
<b>Specific hazard</b>	Not Available

### HMIS Ratings

<b>Health</b>	2
<b>Fire</b>	0
<b>Reactivity</b>	0
<b>Personal</b>	Not Available

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion</u>
Sodium Hypochlorite	7681-52-9	0.5 - 1.5%
Ingredients deemed not to be hazardous	Not applicable	< 10 %
Purified Water	7732-18-5	to 100 %



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### SECTION 4 FIRST AID MEASURES

- Swallowed:** Administer and drink milk to neutralise the effect of the hypochlorite. If not available, then rinse mouth thoroughly and give water to drink. Do not induce Vomiting.
- Eye:** Rinse thoroughly with plenty of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.
- Skin:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention.
- Inhaled:** Solution is non-volatile at room temperature. If solution is inhaled seek immediate medical attention.
- First Aid Facilities:** Rubber or plastic gloves should be used when handling this solution. Eye wash facilities should be provided in the work place.
- Advise to Doctor:** No additional information available.

### SECTION 5 FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Product is not flammable. Use dry chemical to extinguish any fires that may arise. Use appropriate media for adjacent fire. Cool unopened containers with water.
- Unusual fire and explosion hazards:** Emits toxic fumes (sodium oxides, hydrogen chloride gas) under fire conditions.
- Special protective equipment:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Protective gloves and safety glasses should be worn when handling the solution
- Environmental precautions:** Prevent from entering into drains, native or natural environments, ie river systems.
- Methods and materials for containment and cleaning up:** Neutralize spill. Absorb spill with non-combustible absorbent material, then place in a suitable container for disposal. Do not flush with water. Dispose of all waste and clean-up materials in accordance with regulations.



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**SECTION 7 HANDLING AND STORAGE**

**Precautions for safe handling:** See Section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, dry, well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities). Never allow product to get in contact with water during storage. Do not store near acids.

**Storage:** Stored in a cool place at temperatures between 8 °C and 25 °C.

**Other Information:** Prevent from freezing.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational exposure controls:**

Component	Exposure Limits	Basis	Entity
Sodium Hypochlorite	2 mg/m <sup>3</sup>	WEEL	AIHA

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit.  
 PEL: Permissible Exposure Limit.  
 STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health.  
 WEEL: Workplace Environmental Exposure Levels.  
 CEIL: Ceiling.

**General safety and hygiene measures:** Follow good housekeeping practices and good industrial hygiene in handling this material.

**Engineering Controls:** Ensure workplace is well ventilated.



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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance .....: Clear, pale yellow/green solution.

Odour.....: Characteristic odour, chlorine-like.

Odour threshold.....: Not available.

Boiling Point (°C) .....: Not available.

Melting point (°C) .....: Not available.

Vapour Pressure .....: Aqueous solution.

Specific Gravity .....: > 1g/mL.

Flammability Limits (%) ...: Not flammable.

pH of Solution .....: > 10.0.

Solubility in Water (g/L) ...: Completely soluble.

Density.....: 1.083.

Other Properties .....: Corrosive to metal surfaces.

### SECTION 10 STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Severe agitation of the solution and excessive heat.  
Moisture.

**Materials to avoid:** Avoid contact with metals ie iron, zinc, aluminium, nickel, copper, etc.  
Strong acid.

**Hazardous decomposition products:** Hydrogen chloride gas, sodium oxides.

**Hazardous reactivity (polymerization):** Does not occur.



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**SECTION 11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:**

<b>Skin</b>	Not Available.
<b>Eyes</b>	Not Available.
<b>Respiratory</b>	Not Available.
<b>Ingestion</b>	Not Available.

**Carcinogenicity:**

<b>IARC</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
<b>NTP</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>OSHA</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs & Symptoms of Exposure:**

<b>Skin</b>	Irritation, redness, itchiness.
<b>Eyes</b>	Irritation, redness, watering eyes, itchiness.
<b>Respiratory</b>	Burning sensation, coughing, wheezing, laryngitis, shortness of breath.
<b>Ingestion</b>	Irritation, nausea, vomiting, diarrhea.

<b>Chronic Toxicity</b>	Not Available.
<b>Teratogenicity</b>	Not Available.
<b>Mutagenicity</b>	Not Available.
<b>Embryotoxicity</b>	Not Available.
<b>Specific Target Organ Toxicity</b>	Not Available.
<b>Reproductive Toxicity</b>	Not Available.
<b>Respiratory/Skin Sensitization</b>	Not Available.



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### SECTION 12 ECOLOGICAL INFORMATION

#### Ecotoxicity:

Aquatic Vertebrate	Not Available.
Aquatic Invertebrate	Not Available.
Terrestrial	Not Available.

Persistence and Degradability	Not Available.
Bioaccumulative Potential	Not Available.
Mobility in Soil	Not Available.
PBT and vPvB Assessment	Not Available.
Other Adverse Effects	Very toxic to aquatic life.
Biodegradability	The sodium hypochlorite is readily broken down by environmental factors to a dilute solution of sodium chloride (salt).

### SECTION 13 DISPOSAL CONSIDERATIONS

**Disposal Considerations:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

### SECTION 14 TRANSPORT INFORMATION

<b>U.N. Number:</b> 1791	<b>Dangerous Goods Class:</b> 8 Corrosive liquids
<b>Hazchem Code:</b> 2X	<b>Subsidiary Risk:</b> Not applicable
<b>CAS Number:</b> See ingredients	<b>Pack. Group:</b> III

**Special Precautions for User:** Not to be loaded with explosives (Class 1), dangerous goods when wet substances (Class 4.4), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7), or food and food packaging in any quantity, however exemptions may apply. Note that concentrated strong alkalis are incompatible with concentrated strong acids.

**Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010):** 37



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### SECTION 15 REGULATORY INFORMATION

**Poisons Schedule:** Classified as a S5 product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Product is regulated by the TGA in Australia.

This product complies under ARTG- No: 160242.

**Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010): 37**

### SECTION 16 OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

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