

**MATERIAL SAFETY DATA SHEET**

Product : *ENDOSURE* **HYPOCHLOR 4% Forte Solution**

Product Code : DL0611 – *Endosure Hypochlor 4% Forte 1.25L Cartridge Refill*
DL0615 – *Endosure Hypochlor 4% Forte 500mL Dispenser Bottle*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: *Endosure Hypochlor 4% Forte Solution*

Recommended use: Irrigation of root canals during endodontic therapy.

Contact Information Organisation	Location	Telephone
Dentalife Australia Pty Ltd	Factory 9 / 505 Maroondah Highway Ringwood VIC 3134 Australia	+61 3 9879 1226
Poisons Information Centre (24 hour, 7 days a week) in an emergency :		13 11 26
Chemcall 24 Hour Emergency Number (Australia)		1800 127 406

2. HAZARD IDENTIFICATION

Hazard	Not classified as hazardous
Classification	NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS
Risk Phase(s)	Not classified as hazardous
Environmental Hazards	Non-hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion (% w/v)</u>
Sodium Hypochlorite	7681-52-9	4.0 to 5.0
Stabilising Agents	Not applicable	10 to 35
Surfactant	Not applicable	< 1
Purified Water	7732-18-5	> 59

4. FIRST AID MEASURES



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Description of necessary measures according to routes of exposure.

- Swallowed :** Rinse mouth thoroughly, give water to drink.
- Eye :** Rinse thoroughly with plenty of water. Eyelids should be held away from eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.
- Skin :** Remove contaminated clothing and wash before re-use.
- 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.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water

Unusual fire and explosion hazards: Heat may cause evolution of vapours

Special protective equipment: Wear approved respirator and protective gear.
Use water spray to cool containers.

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: Clean up spills immediately. Material can be disposed of with general waste or via the normal sewer systems.

7. HANDLING AND STORAGE

Handling: Ensure cap for container is replaced and tightly closed immediately after use.



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Storage: Stored in a cool place at temperatures between 8°C and 30°C.

Other Information: Prevent from freezing

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Not required under normal conditions of use.
Hand protection:	Rubber, latex or PVC gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Follow good housekeeping practices and good industrial hygiene in handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless, aqueous liquid.

Odour.....: No specific odour

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) ...: Complete

Other Properties: Corrosive to metal surfaces.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions



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

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

Hazardous decomposition products: No data available.

Hazardous reactivity (polymerization): Does not occur.

11. TOXICOLOGICAL INFORMATION

Acute

Ingestion : May cause mild gastrointestinal irritation with nausea and vomiting.

Eye : Solution will sting eyes.

Skin : May irritate broken skin if applied undiluted.

Inhaled : No data.

Chronic : No further data

12. ECOLOGICAL INFORMATION

Ecological Information It is unknown as to the long term effects on the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal 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.



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14. TRANSPORT INFORMATION

U.N. Number : Not applicable Dangerous Goods Class : Not applicable
Hazchem Code : Not applicable Subsidiary Risk : Not applicable
CAS Number : See ingredients Pack. Group. : Not applicable

This product is not considered to be a dangerous good within the meaning of transportation regulations.

15. REGULATORY INFORMATION

Poisons Schedule: Not applicable

Product is regulated by the TGA in Australia. This product complies under ARTG-No: 160242.

16. OTHER INFORMATION

Product is considered safe if used as intended.

Biodegradability The sodium hypochlorite in **ENDOSURE HYPOCHLOR 4% Solution** is readily broken down by environmental factors to a dilute solution of sodium chloride (salt).

Product is intended for professional dental use only.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.

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