

# Material Safety Data Sheet

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Infosafe No. 4ACMX Issue Date : March 2004 ISSUED by PDS

Product Name : **ENDOPREP SOLUTION**

Classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name** ENDOPREP SOLUTION  
**Product Use** Chelating solution containing cetrimide for softening of dentine and irrigation of root canals during endodontic procedures. Facilitate instrumentation of the root canal.  
**Company Name** Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)  
**Address** Building 3/8 Nicole Close Bayswater North  
VIC 3153 Australia  
**Emergency Tel.** +61 3 9761 6615 bh  
**Telephone Number/Fax** Tel: +61 3 9761 6615 Fax: +61 3 9730 1073  
**Other Names**

<u>Name</u>	<u>Product Code</u>
Endoprep Solution 30 mL	33306
Endoprep Solution 300 mL	33326
Endoprep Solution 2 Litre	33328

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Sodium Hydroxide	1310-73-2	1.6 %
	Ingredient determined not to be hazardous	Not required	Balance

## 3. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of the NOHSC.  
Not classified as dangerous goods according to the ADG Code.

Risk phrase:  
R36/38 Irritating to eyes and skin.

Safety phrase:  
S24/25 Avoid contact with skin and eyes.  
S36 Wear suitable protective clothing.

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If irritation develops and persists, seek immediate medical attention.

**Ingestion** DO NOT induce vomiting. Immediately wash mouth out with water. Seek immediate medical attention.

**Skin** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If symptoms develop, seek immediate medical attention.

**Eye** If contact with the eye(s) occur, wash with copious amounts of water, holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek medical attention.

**First Aid Facilities** Normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Use appropriate fire extinguisher for surrounding environment.

**Specific Hazards** Non-flammable, non-combustible however if involved in a fire once all the water has been driven off, may release toxic gases. Fire-exposed containers may rupture/explode.

**Precautions in connection with Fire** Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin exposure.

## 6. ACCIDENTAL RELEASE MEASURES

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Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert, non combustible, absorbent material onto spillage. Use clean tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

**Clean-up Methods - Small Spillages** Wipe up material with absorbant paper. Ensure floor is dry to prevent slipping.

## 7. HANDLING AND STORAGE

**Corrosiveness** Not corrosive to aluminium.

**Handling** Repeated or prolonged exposure to this material should be avoided in order to lessen the possibility of disorders. Use in a well ventilated area. Wear appropriate protective equipment. It is essential that all who come into contact with this material, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet. Build-up of vapour or mist in the working atmosphere must be prevented. Keep containers closed when not in use.

**Storage** Store in a cool dry place out of direct sunlight. Store below 30°C.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**Exposure Limits** No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, all exposure should be kept to the least possible levels as over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions.

**Respiratory Protection** No special respiratory equipment required in normal handling condition. Avoid breathing of vapours/mists. However, where ventilation is inadequate and vapours/mists are generated, the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended - final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.

**Eye Protection** Chemical safety glasses or face shield recommended as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

**Hand Protection** Impervious gloves (nitrile rubber) recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

**Eng. Controls** Provide sufficient ventilation to keep airborne levels to least possible levels. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a exhaust ventilation system is recommended.

**Other Information** Biological Limit Values: No biological limit allocated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear to slightly milky solution.

**Boiling Point** Approximately 100°C

**Solubility in Water** Soluble

**Specific Gravity (H<sub>2</sub>O=1)** >1 (Water =1)

**pH Value** 7.2

**Vapour Pressure** Not available

**Flash Point** Not applicible

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**Flammability** Non combustible material.

**Flammable Limits** Not applicable

**LEL**

**Flammable Limits** Not applicable

**UEL**

## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions of use.

**Hazardous** Will not occur.

**Polymerization**

**Materials to Avoid** Strong oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology** No toxicity data is available for this material.

**Information**

**Inhalation** Vapours or mists may cause irritation to the mucous membrane and upper airways.

**Ingestion** May cause irritation of the gastrointestinal system. Symptoms may include pain, nausea, vomiting and diarrhoea.

**Skin** Will cause irritation in contact with the skin, which can result in redness, itchiness and possible dermatitis.

**Eye** Will cause irritation in contact with the eyes, which can result in stinging and lachrymation.

**Chronic Effects** Prolonged or repeated contact with this material may result in skin irritation.

## 12. ECOLOGICAL INFORMATION

**Mobility** No data is available for this specific material.

**Persistence /** No data is available for this specific material.

**Degradability**

**Ecotoxicity** No data is available for this specific material.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A, State and local regulations. Assure conformity with all applicable regulations.

## 14. TRANSPORT INFORMATION

Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**ADG U.N. Number** None Allocated

**ADG Proper** None Allocated

**Shipping Name**

**ADG DG Class** None Allocated

**ADG Hazchem Code** None Allocated

**ADG Packing Group** None Allocated

## 15. REGULATORY INFORMATION

**Risk Phrase** R36/38 Irritating to eyes and skin.

**Safety Phrase** S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Poisons Schedule** Not Scheduled

**Hazard Category** Irritant

## 16. OTHER INFORMATION

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**Contact Person/Point** PROFESSIONAL DENTIST SUPPLIES  
Ph: 03 9761 6615 (business hours)  
The information contained within this material safety data sheet (MSDS) is believed to be accurate on the date of issue and in accordance with the information provided to us. Any person handling the product referred to in this material safety data sheet do so at their own risk. Professional Dental Supplies accepts no liability whatsoever for damage or injury caused from the use of this information or of suggestions contained herein.

**SDS History** MSDS Review: January 2004.  
MSDS Supersedes: December 1998.  
...End Of MSDS...