



## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### GHS Product Identifier ENDOPREP SOLUTION

#### Company Name

Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)

#### Address

3/8 Nicole Close Bayswater North, VIC 3153 Australia

**Telephone/Fax Number** Tel: +61 3 9761 6615

Fax: +61 3 9761 6566

#### Emergency phone number

+61 3 9761 6615 BH

#### Recommended use of the chemical and restrictions on use

Chelating solution containing cetrimide for softening of dentine and irrigation of root canals during endodontic procedures. Facilitate instrumentation of the root canal.

Other Names	Name	Product Code
	ENDOPREP SOLUTION 30 mL	33306
	ENDOPREP SOLUTION 300 mL	33326
	ENDOPREP SOLUTION 2 LITRE	33328

#### Other Information 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.

## SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

#### Classification of the substance or mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (edition 7.5)

#### Signal Word (s)

Skin Corrosion/Irritation: Category 2 Eye Damage/Irritation: Category 2A Warning

#### Hazard Statement (s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

#### Pictogram (s)

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**Precautionary statement- Prevention**

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

SKIN

P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.

EYE

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS**

Ingredients	NAME	CAS	Proportion
	Sodium Hydroxide	1310-73-2	<2% balance
	Ingredients determined not to be hazardous		

**SECTION 4 - FIRST AID MEASURES**

Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.
First aid	Normal washroom facilities. Treat symptomatically.
Advice to DR.	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.
Other information	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Use appropriate fire extinguisher for surrounding environment.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases.
<b>Specific Hazards Arising from The Chemical</b>	This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn. As a water-based product, if spilt on electrical equipment the product will cause short-circuits.
<b>Decomposition Temperature</b>	Not available
<b>Precautions in connection with Fire</b>	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location. Water spray may be used to cool down heat-exposed containers.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**IN CASE OF SPILLS OR LEAKS:** Clean up spills immediately, observing PPE precautions. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Increase ventilation. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. As a water-based product, if spilt on electrical equipment the product will cause short-circuits. Dispose of waste according to the applicable local and national regulations. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination

If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

**SECTION 7 - HANDLING AND STORAGE****Precautions for safe handling**

Avoid inhalation of vapors and mists, and skin or eye contact. use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the buildup of mists or vapors in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight. store in suitable, labelled containers. keep containers tightly closed. store away from incompatible materials. ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.

**Store below 30 °**

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION****Occupational exposure limit values**

No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Sodium hydroxide has an exposure standard of 2 mg/m<sup>3</sup>, time weighted average (TWA) (Safe Work Australia 2013).

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Sodium hydroxide is corrosive to the skin, eyes and gastrointestinal and respiratory tracts. Based on human data, concentrations of 0.5–4.0 % are irritating to the skin

**Biological Limit Values**

No biological limits allocated

**Appropriate engineering controls**

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any

necessary changes for individual circumstances.

#### Eye Protection

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

#### Hand Protection

Wear gloves of impervious material such as nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Body Protection

Suitable protective workwear should be worn when working with this material, e.g. cotton overalls buttoned at neck and wrist.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Colour	clear	Odour	Not available
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	100 deg C	Solubility in Water	Soluble
Specific Gravity	>1	pH	7.2
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n- octanol/water	Not available
Flash Point	Not available	Flammability	Non-combustible
Auto-Ignition Temperature	Not available	Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available		

### SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Refer to Sec 10: Possibility of hazardous reactions..
Chemical Stability	Stable under normal conditions of storage and handling
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Strong oxidising agents
Hazardous Decomposition	Under fire conditions this product may emit toxic and/or irritating fumes. Decomposition may lead to the release of toxic and/or irritating fumes.
Products Possibility of hazardous reactions	Will react with incompatible materials.
Hazardous Polymerization	Will not occur.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Toxicology Information**

No toxicity data available for this material.

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Skin**

May irritate to skin. The symptoms may include redness, itching and swelling. Irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**

Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

**SECTION 12 - ECOLOGICAL INFORMATION****Ecotoxicity**

No ecological data are available for this material.

**Persistence and degradability**

not available

**Mobility**

Not available

**Bioaccumulative Potential Environmental Protection**

Prevent this material entering waterways, drains and sewers.

**SECTION 13 - DISPOSAL CONSIDERATIONS****DISPOSAL CONSIDERATIONS**

the disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

**SECTION 14 - TRANSPORT INFORMATION****Road and Rail Transport (ADG Code):**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7.5 edition).

**Marine Transport (IMO/IMDG):**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport (ICAO/IATA):**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**IMDG Marine Pollutant:** no

**SECTION 15 - REGULATORY INFORMATION**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

**Poisons Schedule:**

At <2% dilution this product is not classified in the poison schedule.

**SECTION 16 - OTHER INFORMATION**

**DISCLAIMER:** The information presented herein is based on available data from reliable sources and is correct to the best of PDS' knowledge. PDS makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

**References:**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals, (GHS)

[https://www.nicnas.gov.au/chemical-information/imap-assessments/imap-group-assessment-report?assessment\\_id=1406#health](https://www.nicnas.gov.au/chemical-information/imap-assessments/imap-group-assessment-report?assessment_id=1406#health)

**REVISED DATE:** January 2019 supersedes all previous SDS versions

**REFERENCE:** Revised for GHS compliance

Contact: pds@profdent.com.au

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