



## **SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**GHS Product Identifier** MINT DROPS MOUTHRINSE

**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**

Pleasant flavoured mouth rinse concentrate prepared by addition to water. Used for pre- and post-operative rinsing.

Other Names	Name	Product Code
	MINT DROPS MOUTHRINSE	33904

**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

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7.5 th edition)

**Classification:**

**Flammable liquid – category 2**

**Eye irritation – category 2A**

**Signal word**

Danger

**Hazard Statement (s)**

**SAFETY DATA SHEET** MINT DROPS MOUTHRINSE Issue date January 1<sup>st</sup> 2019  
**Professional Dentist Supplies**

H225 (Highly flammable liquid and vapour)  
H319 (Causes serious eye irritation)  
**Pictogram (s)**



GHS02 (Flame)



GHS07 (Exclamation Mark)

**Precautionary statement – Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam, water fog or water mist for extinction. Alcohol resistant foam is preferred. If not available fine water spray/mist can be used.

**Precautionary statement – Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

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

Ingredients	NAME	CAS	Proportion
	Ethanol	64-17-5	30-60 %
	Other ingredients determined not to be hazardous, including water.		Balance

**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.	Treat symptomatically 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 carbon dioxide, dry chemical, foam, water fog or water mist. Alcohol resistant foam is preferred. If not available fine water spray/mist can be used.
<b>Unsuitable Extinguishing Media</b>	Do not use water jet
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
<b>Specific Hazards Arising from The Chemical</b>	Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
<b>Decomposition Temperature</b>	Not available
<b>Hazchem code</b>	2Y
<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 away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

**Store below 30 °**

Not corrosive to aluminium

## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **Occupational exposure limit values**

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Ethanol	1000	1880	-	-	-

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.

**Biological Limit Values**

No biological limits allocated

**Appropriate engineering controls**

Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. 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, in order to make any necessary changes for individual circumstances.

**Eye Protection**

**Note\* H319 (Causes serious eye irritation)**

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	Dark Green
Colour	green	Odour	mint
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	79-83 deg C	Solubility in Water	Soluble
Specific Gravity	<1	pH	Not available
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	>23°	Flammability	Flammable liquid
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..
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<b>Chemical Stability</b>	Stable under normal conditions of storage and handling
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames and other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidising agents
<b>Hazardous Decomposition</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide. Decomposition may lead to the release of toxic and/or irritating fumes.
<b>Products Possibility of hazardous reactions</b>	May react with incompatible materials.
<b>Hazardous Polymerization</b>	Will not occur.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **Toxicology Information**

No toxicity data available for this material. The available acute toxicity data for the ingredients are given below.

#### **Acute Toxicity - Oral**

Ethanol:

LD50 (Rat): 7,060 mg/kg LD50 (Mouse): 3,450 mg/kg

#### **Acute Toxicity - Inhalation**

Ethanol:

LC50 (Rat): 20,000 ppm/10h LC50 (Rat): >8,000 ppm/4h

#### **Ingestion**

Swallowing can cause drunkenness or harmful central nervous system effects. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision and fatigue. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity.

#### **Inhalation**

May result in upper respiratory tract irritation. Inhalation of excessive amounts of vapour can produce central nervous system depression.

#### **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, serious eye irritation.

#### **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 ecotoxicity data are available for this material.

### **Persistence and degradability**

not available

**Mobility**

Not available

**Bioaccumulative Potential Environmental Protection**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers. Do not discharge this material into waterways, drains and sewers.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**DISPOSAL CONSIDERATIONS**

Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.

**SECTION 14 - TRANSPORT INFORMATION**

**Road and Rail Transport (ADG Code):**

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)
- Division 2.3, Toxic Gases
- Division 4.2 Spontaneously Combustible Substances
- Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides
- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)
- Class 7: Radioactive materials unless specifically exempted

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

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 1170

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Class: 3

Packaging Group: III EMS No.: F-E, S-D

Special Provision(s): 144 223

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

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. UN No.: 1170

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Class: 3

Packaging Group: III Label: Flammable Liquid

Packaging Instructions (passenger & cargo): 355 Packaging Instructions (cargo only): 366 Special Provision(s): A3 A58 A180

**IMDG Marine Pollutant:** no

**UN proper shipping name** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Transport hazard class(es)** 3

**Hazchem Code** 2Y

**Packaging Method** /

**Packing Group** III

**EPG Number** 3A1

IERG Number 14

### **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.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

### **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-assessment-details?assessment\\_id=96#cas-A\\_64-17-5](https://www.nicnas.gov.au/chemical-information/imap-assessments/imap-assessment-details?assessment_id=96#cas-A_64-17-5)

**REVISED DATE:** February 2019 supersedes all previous versions

**REFERENCE:** Revised for GHS compliance

Contact: pds@profdent.com.au

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