

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: Colgate Optic White Enamel White Toothpaste

Manufacturer: Colgate-Palmolive

SDS Expiry: 4 February 2025

Supplier Details: Henry Schein New Zealand  
23 William Pickering Drive, Albany  
PO Box 101 140, North Shore, Auckland 0745  
Ph. 0800 808 855  
[www.henryschein.co.nz](http://www.henryschein.co.nz)

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –  
0800POISON/0800764766 (24 Hours)  
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 6

HSNO Group Standard: Dental Products Subsidiary Hazard Group Standard 2017  
HSR002558

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared on 11 June 2020

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

## Colgate Optic White Enamel White Toothpaste

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Version	Revision Date:	SDS Number:	Date of last issue: 30.01.2020
1.3	04.02.2020	660000002367	Date of first issue: 20.11.2018

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### Section 1: Identification

Product name : Colgate Optic White Enamel White Toothpaste

Product code : B05445140004  
: 200000050005

#### Manufacturer or supplier's details

Address : Colgate-Palmolive Ltd.  
Level 4, 45 Knights Road, Lower Hutt  
P.O.Box 38077, Wellington Mail centre  
Wellington, 5045, New Zealand.

Telephone : CONSUMER AFFAIRS: - NZ 0800 441 740 (Mon – Fri 9 - 7)

Emergency telephone number : Global-CHEMTREC- +1 703-741-5970  
CHEMTREC New Zealand +(64)-98010034

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

Recommended use : Dentifrice.

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### Section 2: Hazard identification

#### GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

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### Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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 Take off contaminated clothing and wash before reuse.

### Other hazards which do not result in classification

None known.

## Section 3: Composition/information on ingredients

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Propylene Glycol	57-55-6	>= 30 -< 40
ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER	9003-11-6	>= 5 -< 10
Glycerin	56-81-5	>= 5 -< 10
Fumed Silica	112945-52-5	>= 3 -< 5
TETRASODIUM PYROPHOSPHATE	7722-88-5	>= 1 -< 3
SODIUM LAURYL SULFATE	151-21-3	>= 1 -< 3
SODIUM MONOFLUOROPHOSPHATE	7631-97-2	>= 1 -< 3
HYDROGEN PEROXIDE	7722-84-1	>= 1 -< 3
L-MENTHOL	2216-51-5	>= 1 -< 3
DISODIUM PYROPHOSPHATE	7758-16-9	>= 0.1 -< 1
ANETHOLE	104-46-1	>= 0.1 -< 1
EUGENOL	97-53-0	>= 0.1 -< 1

## Section 4: First-aid measures

- General advice : If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.

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- |   |   |
|---|---|
| In case of eye contact                                      | : Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed  | : Keep respiratory tract clear.<br>Administer milk but do not induce vomiting.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.            |
| Most important symptoms and effects, both acute and delayed | : Causes skin irritation.<br>Causes serious eye irritation.   |

### Section 5: Fire-fighting measures

- |   |   |
|---|---|
| Unsuitable extinguishing media                | : High volume water jet   |
| Specific hazards during fire-fighting         | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                 | : No hazardous combustion products are known  |
| Specific extinguishing methods                | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

### Section 6: Accidental release measures

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.  |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up               | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal.                             |

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### Section 7: Handling and storage

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

### Section 8: Exposure controls/personal protection

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propylene Glycol	57-55-6	WES-TWA (particulate)	10 mg/m <sup>3</sup>	NZ OEL
		WES-TWA (Vapour and particulates)	150 ppm 474 mg/m <sup>3</sup>	NZ OEL
Glycerin	56-81-5	WES-TWA (Mist)	10 mg/m <sup>3</sup>	NZ OEL
TETRASODIUM PYROPHOSPHATE	7722-88-5	WES-TWA	5 mg/m <sup>3</sup>	NZ OEL
HYDROGEN PEROXIDE	7722-84-1	WES-TWA	1 ppm 1.4 mg/m <sup>3</sup>	NZ OEL
		TWA	1 ppm	ACGIH

#### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.

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Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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### Section 9: Physical and chemical properties

Appearance : paste

Colour : white

pH : 8.0

Flash point : No data available

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### Section 10: Stability and reactivity

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

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### Section 11: Toxicological information

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

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Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### **Components:**

#### **Propylene Glycol:**

Acute oral toxicity : LD50 (Rat): 22,000 mg/kg

Acute inhalation toxicity : LC50 (Rabbit): > 317,042 mg/l  
Exposure time: 2 h  
Test atmosphere: No information available.  
Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: No information available.

#### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

#### **Glycerin:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : (Rat, male): > 2.75 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: No information available.

#### **Fumed Silica:**

Acute oral toxicity : LD50 (Rat): 3,160 mg/kg  
Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### **TETRASODIUM PYROPHOSPHATE:**

Acute oral toxicity : LD50 (Rat): 1,624 mg/kg  
Method: OECD Test Guideline 425

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Acute inhalation toxicity : LC50 (Rabbit): > 0.58 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402

### **SODIUM LAURYL SULFATE:**

Acute oral toxicity : LD50 (Rat): 977 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402

### **SODIUM MONOFLUOROPHOSPHATE:**

Acute oral toxicity : LD50 (Rat): 888 mg/kg  
Method: No information available.

Acute inhalation toxicity : LC50 (Rabbit): 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Acute toxicity estimate

Acute dermal toxicity : LD50 (Rabbit): 1,100 mg/kg  
Method: Acute toxicity estimate

### **HYDROGEN PEROXIDE:**

Acute oral toxicity : LD50 (Rat): 1,026 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC0 (Rat): > 0.17 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Remarks: Harmful by inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402

### **L-MENTHOL:**

Acute oral toxicity : LD50 (Rat): 3,400 mg/kg

Acute inhalation toxicity : Remarks: No data available



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Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: No information available.

### DISODIUM PYROPHOSPHATE:

Acute oral toxicity : LD50 (Mouse): 2,650 mg/kg  
Method: No information available.

Acute inhalation toxicity : LC50 (Rabbit): > 0.58 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OPPTS 870.1300

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402

### ANETHOLE:

Acute oral toxicity : LD50 (Rat): 2,090 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

### EUGENOL:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

### Skin corrosion/irritation

Causes skin irritation.

### Components:

#### Propylene Glycol:

Result : No skin irritation

#### ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

#### Glycerin:

Result : No skin irritation

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### **Fumed Silica:**

Result : Severe skin irritation

### **TETRASODIUM PYROPHOSPHATE:**

Result : No skin irritation

Remarks : May cause skin irritation in susceptible persons.

### **SODIUM LAURYL SULFATE:**

Result : Severe skin irritation

Remarks : Extremely corrosive and destructive to tissue.

### **SODIUM MONOFLUOROPHOSPHATE:**

Result : Severe skin irritation

Remarks : May cause skin irritation in susceptible persons.

### **HYDROGEN PEROXIDE:**

Species : Rabbit

Exposure time : 4 h

Method : OECD Test Guideline 404

Result : Corrosive after 3 minutes or less of exposure

### **L-MENTHOL:**

Result : Irritating to skin.

Remarks : May cause skin irritation in susceptible persons.

### **DISODIUM PYROPHOSPHATE:**

Result : Mild skin irritation

### **ANETHOLE:**

Result : Irritating to skin.

Remarks : May cause skin irritation and/or dermatitis.

### **EUGENOL:**

Result : Mild skin irritation

Remarks : May cause skin irritation and/or dermatitis.

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

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### **Components:**

#### **Propylene Glycol:**

Result : No eye irritation

#### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

#### **Glycerin:**

Result : No eye irritation

#### **Fumed Silica:**

Result : Irritation to eyes, reversing within 21 days

#### **TETRASODIUM PYROPHOSPHATE:**

Result : Irritation to eyes, reversing within 21 days

Remarks : May cause irreversible eye damage.

#### **SODIUM LAURYL SULFATE:**

Result : Irreversible effects on the eye

Remarks : May cause irreversible eye damage.

#### **SODIUM MONOFLUOROPHOSPHATE:**

Result : Irritation to eyes, reversing within 21 days

Remarks : May cause irreversible eye damage.

#### **HYDROGEN PEROXIDE:**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

#### **L-MENTHOL:**

Result : Irritation to eyes, reversing within 21 days

Remarks : May cause irreversible eye damage.

#### **DISODIUM PYROPHOSPHATE:**

Result : Irritation to eyes, reversing within 21 days

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### **ANETHOLE:**

Remarks : No data available

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

### **EUGENOL:**

Result : Irritation to eyes, reversing within 21 days

Remarks : May cause irreversible eye damage.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Components:**

#### **Propylene Glycol:**

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: Does not cause skin sensitisation.

#### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

Exposure routes : Inhalation  
Result : Does not cause respiratory sensitisation.

Species : Dermal  
: Guinea pig  
Method : OECD Test Guideline 406  
: Does not cause skin sensitisation.

#### **Glycerin:**

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: Does not cause skin sensitisation.

#### **Fumed Silica:**

Exposure routes : Inhalation  
Result : Does not cause respiratory sensitisation.

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: Dermal  
: Does not cause skin sensitisation.

### TETRASODIUM PYROPHOSPHATE:

Exposure routes : Inhalation  
Result : Does not cause respiratory sensitisation.

: Dermal  
: Does not cause skin sensitisation.

### SODIUM LAURYL SULFATE:

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: Does not cause skin sensitisation.

### SODIUM MONOFLUOROPHOSPHATE:

Exposure routes : Inhalation  
Result : Does not cause respiratory sensitisation.

: Dermal  
: Does not cause skin sensitisation.

### HYDROGEN PEROXIDE:

Exposure routes : Dermal  
Species : Guinea pig  
Result : Does not cause skin sensitisation.

: inhalation (vapour)  
: Mouse  
: Does not cause respiratory sensitisation.

### L-MENTHOL:

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: Does not cause skin sensitisation.

### DISODIUM PYROPHOSPHATE:

Exposure routes : Inhalation  
Result : Does not cause respiratory sensitisation.

: Dermal  
: Does not cause skin sensitisation.

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### **ANETHOLE:**

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: May cause sensitisation by skin contact.

Remarks : Causes sensitisation.

### **EUGENOL:**

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: May cause sensitisation by skin contact.

Remarks : Causes sensitisation.

### **Chronic toxicity**

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

### **Components:**

#### **HYDROGEN PEROXIDE:**

Exposure routes : Inhalation  
Target Organs : Respiratory system  
Assessment : May cause respiratory irritation.

#### **STOT - repeated exposure**

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks : This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is

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determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 2 of the SDS.

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### Section 12: Ecological information

#### Ecotoxicity

##### Components:

##### **Propylene Glycol:**

- |  |   |  |
|--|---|--|
| Toxicity to fish   | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l<br>Exposure time: 96 h           |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia (water flea)): 18,880 mg/l<br>Exposure time: 48 h                          |
| Toxicity to algae/aquatic plants                                       | : | EC50 (Pseudokirchneriella subcapitata (green algae)): 19,000 mg/l<br>Exposure time: 96 h |
| Toxicity to fish (Chronic toxicity)                                    | : | No data available:   |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | No data available:   |

##### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

- |   |   |   |
|---|---|---|
| Toxicity to fish                                    | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 120 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203            |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia (water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br>Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants                    | : | EC50 (Scenedesmus capricornutum (fresh water algae)): > 100 mg/l<br>Exposure time: 72 h<br>Test Type: static test           |
| Toxicity to fish (Chronic toxicity)                 | : | No data available:  |

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:

### Glycerin:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 10,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): > 10,000 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : Remarks: No data available

### Fumed Silica:

Toxicity to fish : (Brachydanio rerio (zebrafish)): > 10,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to fish (Chronic toxicity) : No data available:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:

### TETRASODIUM PYROPHOSPHATE:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : No data available:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:



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### **SODIUM LAURYL SULFATE:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.62 mg/l  
Exposure time: 96 h  
Method: static test  
Remarks: mortality
- Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 3.15 mg/l  
aquatic invertebrates Exposure time: 48 h
- Toxicity to algae/aquatic : LC50 (Chlamydomonas reinhardtii (green algae)): 18.8 mg/l  
plants Exposure time: 72 h

### **SODIUM MONOFLUOROPHOSPHATE:**

- Toxicity to daphnia and other : EC50 (Daphnia (water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

### **HYDROGEN PEROXIDE:**

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 16.4 mg/l
- Toxicity to daphnia and other : LC50 (Daphnia pulex (Water flea)): 2.4 mg/l  
aquatic invertebrates Exposure time: 24 h
- Toxicity to algae/aquatic : NOEC (Marine Diatom): 0.63 mg/l  
plants
- Toxicity to fish (Chronic tox- : No data available:  
icity)
- Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 0.63 mg/l  
aquatic invertebrates (Chron-  
ic toxicity)

### **L-MENTHOL:**

- Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 15.6 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other : EC50 (Daphnia magna Straus): 26.6 mg/l  
aquatic invertebrates Exposure time: 48 h
- Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 20 mg/l  
plants Exposure time: 96 h
- Toxicity to fish (Chronic tox- : No data available:  
icity)
- Toxicity to daphnia and other : No data available:  
aquatic invertebrates (Chron-

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ic toxicity)

### **DISODIUM PYROPHOSPHATE:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 840 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
plants Exposure time: 72 h

Toxicity to fish (Chronic tox- : No data available:  
icity)

Toxicity to daphnia and other : No data available:  
aquatic invertebrates (Chron-  
ic toxicity)

### **ANETHOLE:**

Toxicity to daphnia and other : (Daphnia magna (Water flea)): 5 mg/l  
aquatic invertebrates Exposure time: 48 h

### **EUGENOL:**

Toxicity to fish : LC50 (Fish): > 1 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia pulex (Water flea)): 1.05 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : ErC50 (Desmodesmus subspicatus (green algae)): > 1 mg/l  
plants Exposure time: 72 h

Toxicity to fish (Chronic tox- : No data available:  
icity)

Toxicity to daphnia and other : No data available:  
aquatic invertebrates (Chron-  
ic toxicity)

### **Persistence and degradability**

#### **Components:**

##### **Propylene Glycol:**

Biodegradability : Result: Readily biodegradable.

##### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

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Biodegradability : Result: Not readily biodegradable.

### **Glycerin:**

Biodegradability : Result: Readily biodegradable.

### **Fumed Silica:**

Biodegradability : Result: Readily biodegradable.

### **TETRASODIUM PYROPHOSPHATE:**

Biodegradability : Remarks: Not applicable

### **SODIUM LAURYL SULFATE:**

Biodegradability : Result: Readily biodegradable.

### **HYDROGEN PEROXIDE:**

Biodegradability : Remarks: Not applicable

### **L-MENTHOL:**

Biodegradability : Result: Readily biodegradable.

### **DISODIUM PYROPHOSPHATE:**

Biodegradability : Remarks: Not applicable

### **ANETHOLE:**

Biodegradability : Result: Not readily biodegradable.

### **EUGENOL:**

Biodegradability : Result: Readily biodegradable.

### **Bioaccumulative potential**

#### **Components:**

#### **Propylene Glycol:**

Bioaccumulation : Bioconcentration factor (BCF): < 100

#### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Remarks: No data available

#### **Glycerin:**

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Bioaccumulation : Remarks: No data available

### **Fumed Silica:**

Bioaccumulation : Bioconcentration factor (BCF): 3.16

Partition coefficient: n-octanol/water : log Pow: 0.53

### **TETRASODIUM PYROPHOSPHATE:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Remarks: No data available

### **HYDROGEN PEROXIDE:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -1.57

### **L-MENTHOL:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: 3.13

### **DISODIUM PYROPHOSPHATE:**

Bioaccumulation : Bioconcentration factor (BCF): 3.16

Partition coefficient: n-octanol/water : log Pow: -6.77

### **EUGENOL:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: 2.73

### **Mobility in soil**

No data available

### **Other adverse effects**

### **Components:**

#### **Propylene Glycol:**

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Additional ecological information : No data available

### **ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

### **Glycerin:**

Additional ecological information : No data available

### **TETRASODIUM PYROPHOSPHATE:**

Additional ecological information : No data available

### **SODIUM MONOFLUOROPHOSPHATE:**

Additional ecological information : No data available

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## Section 13: Disposal considerations

### **Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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## Section 14: Transport information

**ADG (Australian Dangerous Goods) 7.6** :  
Not regulated.

**NZS (New Zealand's Standards) 5433** :  
Not regulated.

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**IATA** :  
Not regulated.

**IMDG** :  
Not regulated.

**ADR** :  
Not regulated.

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### Section 15: Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**HSNO Approval Number**

HSR002558  
Dental Products (Subsidiary Hazard) Group Standard 2017

**The components of this product are reported in the following inventories:**

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

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### Section 16: Other information

Date format : dd.mm.yyyy

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with

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x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN