

## Colgate Optic White Stain Fighter Enamel Care Toothpaste Gentle Mint

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Version	Revision Date:	SDS Number:	Date of last issue: 12.03.2024
1.4	30.09.2024	660000019666	Date of first issue: 23.11.2023

### Section 1: Identification

Product name : Colgate Optic White Stain Fighter Enamel Care Toothpaste Gentle Mint

Product code : B05413880000  
: 200000070427

#### Manufacturer or supplier's details

Address : Colgate-Palmolive Ltd  
105 Carlton Gore Rd  
Newmarket  
Auckland 1023, New Zealand

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

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

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

Recommended use : Dentifrice.

### Section 2: Hazard identification

#### GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Warning

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

Precautionary statements : **Prevention:**

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P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P302 + P352 IF ON SKIN: Wash with plenty of 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 + P364 Take off contaminated clothing and wash it 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
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
L-MENTHOL	2216-51-5	>= 1 -< 3
HYDROGEN PEROXIDE	7722-84-1	>= 1 -< 3
DISODIUM PYROPHOSPHATE	7758-16-9	>= 0.1 -< 1
Anethole	104-46-1	>= 0.1 -< 1
METHYL SALICYLATE	119-36-8	>= 0.1 -< 1
TRANS-MENTHONE	89-80-5	>= 0.1 -< 1
EUCALYPTOL	470-82-6	>= 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.

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- |   |  |
|---|--|
| In case of skin contact                                     | : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.   |
| In case of eye contact                                      | : Flush eyes with water as a precaution.<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.<br>Take victim immediately to hospital. |
| Most important symptoms and effects, both acute and delayed | : Causes skin irritation.<br>Causes serious eye irritation.  |
| Notes to physician  | : Treat symptomatically.   |

### Section 5: Fire-fighting measures

- |   |   |
|---|---|
| Suitable extinguishing media                  | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
| 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.  |

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### Section 6: Accidental release measures

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Avoid dust formation.<br>Avoid breathing dust.  |
| 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               | : Keep in suitable, closed containers for disposal.   |

### Section 7: Handling and storage

- |   |  |
|---|--|
| Advice on protection against fire and explosion | : Avoid dust formation.<br>Provide appropriate exhaust ventilation at places where dust is formed.   |
| Advice on safe handling                         | : Avoid formation of respirable particles.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations. |
| Hygiene measures                                | : When using do not eat or drink.<br>When using do not smoke.<br>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.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards.   |
| Further information on storage stability        | : No decomposition if stored and applied as directed.  |

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### 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
		TWA	1 ppm	ACGIH

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

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

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

### Section 9: Physical and chemical properties

Appearance : paste

Colour : white

Odour : No data available

pH : 7.4 - 8.4

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Melting point/ range : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : No data available

Solubility(ies)  
Solubility in other solvents : No data available

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

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, kinematic : No data available

Particle characteristics  
Particle size : No data available

### 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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Incompatible materials	:	Not applicable
Hazardous decomposition products	:	No hazardous decomposition products are known.

### Section 11: Toxicological information

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

#### Components:

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

Acute oral toxicity	:	LD50 (Rat): 22,000 mg/kg
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data 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
Acute inhalation toxicity	:	LC50 (Rabbit): > 0.58 mg/l Exposure time: 4 h Test atmosphere: dust/mist

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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

### **L-MENTHOL:**

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

Acute inhalation toxicity : Remarks: No data available

### **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



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### 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): 3,000 mg/kg
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: Remarks: No data available

### METHYL SALICYLATE:

Acute oral toxicity	: LD50 (Rat): 890 mg/kg
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Method: No information available.

### TRANS-MENTHONE:

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

### EUCALYPTOL:

Acute oral toxicity	: LD50 (Rat): 2,480 mg/kg
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rat): > 5,000 mg/kg Method: No information available.

### Skin corrosion/irritation

Causes skin irritation.

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### **Components:**

#### **Propylene Glycol:**

Result : No skin irritation

#### **Glycerin:**

Result : No skin irritation

#### **Fumed Silica:**

Result : Severe skin irritation

#### **TETRASODIUM PYROPHOSPHATE:**

Result : No skin irritation

Remarks : May cause skin irritation in susceptible persons.

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

Species : Rabbit  
Exposure time : 24 h  
Assessment : irritating  
Method : OECD Test Guideline 404  
Result : irritating

#### **SODIUM MONOFLUOROPHOSPHATE:**

Result : Severe skin irritation

Remarks : May cause skin irritation in susceptible persons.

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

Result : May irritate skin.

#### **HYDROGEN PEROXIDE:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : Corrosive after 3 minutes or less of exposure

#### **DISODIUM PYROPHOSPHATE:**

Result : Mild skin irritation

#### **Anethole:**

Result : Mild skin irritation

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Remarks : May cause skin irritation and/or dermatitis.

### METHYL SALICYLATE:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation

### TRANS-MENTHONE:

Result : Irritating to skin.

### EUCALYPTOL:

Result : No eye irritation

### Serious eye damage/eye irritation

Causes serious eye irritation.

### Components:

#### Propylene Glycol:

Result : No eye irritation

#### 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.

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### L-MENTHOL:

Remarks : May cause irreversible eye damage.

### HYDROGEN PEROXIDE:

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

### DISODIUM PYROPHOSPHATE:

Result : Irritation to eyes, reversing within 21 days

### Anethole:

Result : No eye irritation

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

### METHYL SALICYLATE:

Species : Rabbit  
Result : Eye irritation  
Assessment : irritating

### TRANS-MENTHONE:

Result : No eye irritation

### EUCALYPTOL:

Result : Mild eye irritation

### 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  
  
Exposure routes : Dermal

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Result : Does not cause skin sensitisation.

### Glycerin:

Exposure routes : Inhalation  
Remarks : No data available

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

### Fumed Silica:

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

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

### TETRASODIUM PYROPHOSPHATE:

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

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

### SODIUM LAURYL SULFATE:

Exposure routes : Inhalation  
Remarks : No data available

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

### SODIUM MONOFLUOROPHOSPHATE:

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

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

### L-MENTHOL:

Exposure routes : Inhalation  
Remarks : No data available

Exposure routes : Dermal  
Result : Does not cause skin sensitisation.

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### HYDROGEN PEROXIDE:

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

Exposure routes	: inhalation (vapour)
Species	: Mouse
Result	: Does not cause respiratory sensitisation.

### DISODIUM PYROPHOSPHATE:

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

Exposure routes	: Dermal
Result	: Does not cause skin sensitisation.

### Anethole:

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Result	: The product is a skin sensitiser, sub-category 1B.

Remarks	: Causes sensitisation.
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### METHYL SALICYLATE:

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Remarks	: No data available

### TRANS-MENTHONE:

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Result	: May cause sensitisation by skin contact.

### EUCALYPTOL:

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Result	: May cause sensitisation by skin contact.

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### Chronic toxicity

#### Germ cell mutagenicity

Not classified based on available information.

#### Components:

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

Genotoxicity in vitro : Test Type: reverse mutation assay  
Test system: Escherichia coli  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: dominant lethal test  
Species: Mouse (male and female)  
Application Route: Oral  
Method: OECD Test Guideline 478  
Result: negative

##### **METHYL SALICYLATE:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: in vivo assay  
Species: Mouse  
Application Route: Oral  
Result: negative

### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **METHYL SALICYLATE:**

Reproductive toxicity - Assessment : Suspected of damaging fertility or the unborn child.

### STOT - single exposure

Not classified based on available information.

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### **Components:**

#### **HYDROGEN PEROXIDE:**

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

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

Not classified based on available information.

#### **Repeated dose toxicity**

### **Components:**

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

Species	:	Rat
	:	488 mg/kg
Application Route	:	Oral

Species	:	Mouse
	:	488 mg/kg
Application Route	:	Dermal

#### **METHYL SALICYLATE:**

Species	:	Rat
NOAEL	:	50 mg/kg
Application Route	:	Oral

Species	:	Rat
NOEC	:	700 mg/l
Application Route	:	Inhalation
Test atmosphere	:	vapour

#### **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 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 Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 18,880 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 19,000 mg/l Exposure time: 96 h
Toxicity to fish (Chronic toxicity)	:	No data available:
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 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:

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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:

### **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 aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 3.15 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : LC50 (Chlamydomonas reinhardtii (green algae)): 18.8 mg/l  
Exposure time: 72 h

### **SODIUM MONOFLUOROPHOSPHATE:**

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

### **L-MENTHOL:**

Toxicity to fish : LC50 : 10 mg/l

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

Toxicity to daphnia and other : No data available:

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aquatic invertebrates (Chronic toxicity)

### HYDROGEN PEROXIDE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 16.4 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia pulex (Water flea)): 2.4 mg/l  
Exposure time: 24 h

Toxicity to algae/aquatic plants : NOEC (Marine Diatom): 0.63 mg/l

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

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.63 mg/l

### DISODIUM PYROPHOSPHATE:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 840 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:

### Anethole:

Toxicity to fish : LC50 (Fish): 5 mg/l  
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : NOEC (Fish): > 2 mg/l  
Test substance: No data available

### METHYL SALICYLATE:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 19.8 mg/l  
Exposure time: 96 h

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 28 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC: 6.25 mg/l  
Exposure time: 72 h  
Test Type: static test

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

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

### TRANS-MENTHONE:

Toxicity to fish : LC50 (Fish): 10 mg/l  
Exposure time: 96 h

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

Toxicity to fish (Chronic toxicity) : NOEC (Fish): 100 mg/l  
Exposure time: 96 h

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

### EUCALYPTOL:

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

Toxicity to fish (Chronic toxicity) : NOEC (Fish): 32 mg/l

### Persistence and degradability

#### Components:

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

Biodegradability : Result: Readily biodegradable.

##### **Glycerin:**

Biodegradability : Result: Readily biodegradable.

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**Fumed Silica:**

Biodegradability : Remarks: Not applicable

**TETRASODIUM PYROPHOSPHATE:**

Biodegradability : Remarks: Not applicable

**SODIUM LAURYL SULFATE:**

Biodegradability : Result: Readily biodegradable.

**SODIUM MONOFLUOROPHOSPHATE:**

Biodegradability : Remarks: Not applicable

**L-MENTHOL:**

Biodegradability : Result: Readily biodegradable.

**HYDROGEN PEROXIDE:**

Biodegradability : Remarks: Not applicable

**DISODIUM PYROPHOSPHATE:**

Biodegradability : Remarks: Not applicable

**Anethole:**

Biodegradability : Result: Readily biodegradable.

**METHYL SALICYLATE:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 98 %  
Exposure time: 28 d

**TRANS-MENTHONE:**

Biodegradability : Result: Not readily biodegradable.

**EUCALYPTOL:**

Biodegradability : Result: Readily biodegradable.

**Bioaccumulative potential****Components:****Propylene Glycol:**

Bioaccumulation : Bioconcentration factor (BCF): < 100

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### Glycerin:

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

### L-MENTHOL:

Bioaccumulation : Remarks: No data available

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

### HYDROGEN PEROXIDE:

Bioaccumulation : Remarks: No data available

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

### DISODIUM PYROPHOSPHATE:

Bioaccumulation : Bioconcentration factor (BCF): 3.16

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

### METHYL SALICYLATE:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: 2.6

### TRANS-MENTHONE:

Bioaccumulation : Remarks: No data available

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Partition coefficient: n-octanol/water : log Pow: 2.87

### EUCALYPTOL:

Bioaccumulation : Bioconcentration factor (BCF): 83.0 - 125

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

### Mobility in soil

No data available

### Other adverse effects

### Components:

#### TETRASODIUM PYROPHOSPHATE:

Additional ecological information : No data available

## Section 13: Disposal considerations

### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
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.

## Section 14: Transport information

ADG (Australian Dangerous Goods) 7.8 :  
Not regulated

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

IATA :

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Not regulated

**IMDG**

:

Not regulated

**IMDG EmS Number** :Not applicable.

**ADR**

:

Not regulated

### 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 2020

**Tolerable Exposure Limits (TEL)**

Not applicable

**Environmental Exposure Limits (EEL)**

Not applicable

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

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

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

### Section 16: Other information

Revision Date : 30.09.2024

Date format : dd.mm.yyyy

**Full text of other abbreviations**



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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

AIIC - Australian Inventory of Industrial Chemicals; 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 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; KECI - 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; TECI - Thailand Existing Chemicals Inventory; 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