

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 Renewal Toothpaste – 3% Hydrogen Peroxide

Manufacturer: Colgate-Palmolive

SDS Expiry: 8 August 2024

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

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

HSNO Class/Category: 8

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.

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Section 1: Identification

Product name : Colgate Optic White Renewal Toothpaste - 3% Hydrogen Peroxide

Product code : B05490060000
: 200000058784

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.

Section 2: Hazard identification

GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.

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Precautionary statements

: **Prevention:**

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

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P332 + P313 If skin irritation occurs: 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	>= 50 -< 60
ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER	9003-11-6	>= 5 -< 10
HYDROGEN PEROXIDE	7722-84-1	>= 3 -< 5
SODIUM LAURYL SULFATE	151-21-3	>= 1 -< 3
TETRASODIUM PYROPHOSPHATE	7722-88-5	>= 1 -< 3
L-MENTHOL	2216-51-5	>= 1 -< 3
DISODIUM PYROPHOSPHATE	7758-16-9	>= 0.1 -< 1
ANETHOLE	104-46-1	>= 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.

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	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: Causes skin irritation. Causes serious eye damage.

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. 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. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

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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.
To avoid spills during handling keep bottle on a metal tray.
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 ³	NZ OEL
		WES-TWA (Vapour and particulates)	150 ppm 474 mg/m ³	NZ OEL
HYDROGEN PEROXIDE	7722-84-1	WES-TWA	1 ppm 1.4 mg/m ³	NZ OEL
		TWA	1 ppm	ACGIH
TETRASODIUM PYROPHOSPHATE	7722-88-5	WES-TWA	5 mg/m ³	NZ OEL

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Personal protective equipment

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

Section 9: Physical and chemical properties

- Appearance : paste
- Colour : white
- pH : 7.7
- Flash point : 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
-

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

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

SODIUM LAURYL SULFATE:

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

Acute inhalation toxicity : Remarks: No data available

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

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
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

L-MENTHOL:

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

Acute inhalation toxicity : Remarks: No data available

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

TRANS-MENTHONE:

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Acute oral toxicity : LD50 (Rat): 2,000 mg/kg
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): 4,500 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.

Components:

Propylene Glycol:

Result : No skin irritation

ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:

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

HYDROGEN PEROXIDE:

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

SODIUM LAURYL SULFATE:

Result : Severe skin irritation

TETRASODIUM PYROPHOSPHATE:

Result : No skin irritation

L-MENTHOL:

Result : Irritating to skin.

DISODIUM PYROPHOSPHATE:

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Result : Mild skin irritation

ANETHOLE:

Result : Irritating to skin.

TRANS-MENTHONE:

Result : Severe skin irritation

EUCALYPTOL:

Result : Mild skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Propylene Glycol:

Result : No eye irritation

ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:

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

HYDROGEN PEROXIDE:

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

SODIUM LAURYL SULFATE:

Result : Irreversible effects on the eye

TETRASODIUM PYROPHOSPHATE:

Result : Irritation to eyes, reversing within 21 days

L-MENTHOL:

Result : Irritation to eyes, reversing within 21 days

DISODIUM PYROPHOSPHATE:

Result : Irritation to eyes, reversing within 21 days



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ANETHOLE:

Remarks : No data available

TRANS-MENTHONE:

Result : No eye irritation

EUCALYPTOL:

Result : No 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

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.

HYDROGEN PEROXIDE:

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

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

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SODIUM LAURYL SULFATE:

Exposure routes : Inhalation
Remarks : No data available

Result : Dermal
: Does not cause skin sensitisation.

TETRASODIUM PYROPHOSPHATE:

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

Result : Dermal
: Does not cause skin 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.

Result : Dermal
: Does not cause skin sensitisation.

ANETHOLE:

Exposure routes : Inhalation
Remarks : No data available

Result : Dermal
: May cause sensitisation by skin contact.

TRANS-MENTHONE:

Exposure routes : Inhalation
Remarks : No data available

Result : Dermal
: May cause sensitisation by skin contact.

EUCALYPTOL:

Exposure routes : Inhalation
Remarks : No data available



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Result : Dermal
: May cause sensitisation by skin contact.

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 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: |

ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:

- | | | |
|--|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 120 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia (water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | EC50 (Scenedesmus capricornutum (fresh water algae)): > 100 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: |

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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
Exposure time:

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

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

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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L-MENTHOL:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 15.6 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 26.6 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 20 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:

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

TRANS-MENTHONE:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 30.6 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : Exposure time:
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:

EUCALYPTOL:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 57 mg/l
Exposure time: 96 h

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

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 74 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:

Persistence and degradability

Components:

Propylene Glycol:

Biodegradability : Result: Readily biodegradable.

ETHYLENE OXIDE PROPYLENE OXIDE COPOLYMER:

Biodegradability : Result: Not readily biodegradable.

HYDROGEN PEROXIDE:

Biodegradability : Result: Readily biodegradable.
Remarks: Not applicable

SODIUM LAURYL SULFATE:

Biodegradability : Result: Readily biodegradable.

TETRASODIUM PYROPHOSPHATE:

Biodegradability : Remarks: Not applicable

L-MENTHOL:

Biodegradability : Result: Readily biodegradable.

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DISODIUM PYROPHOSPHATE:

Biodegradability : Remarks: Not applicable

ANETHOLE:

Biodegradability : Result: Not readily biodegradable.

TRANS-MENTHONE:

Biodegradability : Result: Not readily biodegradable.

EUCALYPTOL:

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

HYDROGEN PEROXIDE:

Bioaccumulation : Remarks: No data available

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

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

Colgate Optic White Renewal Toothpaste - 3% Hydrogen Peroxide

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DISODIUM PYROPHOSPHATE:

Bioaccumulation : Bioconcentration factor (BCF): 3.16

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

TRANS-MENTHONE:

Bioaccumulation : Remarks: No data available

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

No data available

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.

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

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

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; CPR - Controlled Products Regulations; 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);

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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; 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.

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