

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 Professional Whitening System HP 9%

Manufacturer: Colgate-Palmolive Ltd

SDS Expiry: 4 December 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](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: 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 15 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 Professional Whitening System - Hydrogen Peroxide 90mg/g (9% w/w)

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1.1	24.09.2019	660000001012	Date of first issue: 31.07.2019

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### Section 1: Identification

Product name : COLGATE OPTIC WHITE TAKE HOME 9%

Product code : B05422640001  
: 200000029723

#### 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 : Tooth Whitener

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### Section 2: Hazard identification

#### GHS Classification

Skin corrosion/irritation Category 1A

Serious eye damage/eye irritation Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

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### Precautionary statements

- Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.  
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.  
P363 Wash contaminated clothing before reuse.
- Storage:**  
P405 Store locked up.
- Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

## Section 3: Composition/information on ingredients

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Glycerin	56-81-5	>= 50 -< 60
HYDROGEN PEROXIDE	7722-84-1	>= 5 -< 10
SODIUM HYDROXIDE	1310-73-2	>= 3 -< 5
PEPPERMINT (MENTHA PIPERITA) OIL	8006-90-4	>= 0.1 -< 1
Sodium Fluoride	7681-49-4	>= 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.

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- |   |   |   |
|---|---|---|
| If inhaled  | : | If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.   |
| In case of skin contact                                     | : | Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.  |
| In case of eye contact                                      | : | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<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>Do NOT induce vomiting.<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 serious eye damage.<br>Causes severe burns.  |

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### 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.  |

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### 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.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
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 exposure - obtain special instructions before use.  
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.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- 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.  
Observe label precautions.  
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
Glycerin	56-81-5	WES-TWA (Mist)	10 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
SODIUM HYDROXIDE	1310-73-2	WES-Ceiling	2 mg/m <sup>3</sup>	NZ OEL
		C	2 mg/m <sup>3</sup>	ACGIH
Sodium Fluoride	7681-49-4	WES-TWA	2.5 mg/m <sup>3</sup> (Fluorine)	NZ OEL
Further information: Exposure can also be estimated by biological monitoring				
		TWA	2.5 mg/m <sup>3</sup> (Fluorine)	ACGIH

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Sodium Fluoride	7681-49-4	Fluoride (Fluorine)	Urine	Prior to shift	160 micromol per litre	NZ BEI
		Fluoride (Fluorine)	Urine	Prior to shift	3 mg/l	NZ BEI
		Fluoride (Fluorine)	Urine	End of shift	530 micromol per litre	NZ BEI
		Fluoride (Fluorine)	Urine	End of shift	10 mg/l	NZ BEI
		Fluoride (Fluorine)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI

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### 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  
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 : gel

Colour : colourless

pH : 6.3

Flash point : No data available

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### Section 10: Stability and reactivity

Reactivity : May cause or intensify fire; oxidizer.

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

Possibility of hazardous reactions : Stable under recommended storage conditions.  
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:

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Acute oral toxicity : Acute toxicity estimate: 4,875 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 40 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

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

### **Components:**

#### **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.

#### **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 HYDROXIDE:**

Acute oral toxicity : LD50 (Rabbit): 500 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### **PEPPERMINT (MENTHA PIPERITA) OIL:**

Acute oral toxicity : LD50 (Rat): 2,650 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: No data available



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Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: OECD Test Guideline 402

### **Sodium Fluoride:**

Acute oral toxicity : LD50 (Rat): 177 - 272 mg/kg

Acute inhalation toxicity : Remarks: No data available

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

### **Skin corrosion/irritation**

Causes severe burns.

### **Components:**

#### **Glycerin:**

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 HYDROXIDE:**

Result : Corrosive

#### **PEPPERMINT (MENTHA PIPERITA) OIL:**

Result : Severe skin irritation

#### **Sodium Fluoride:**

Result : Severe skin irritation

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

Causes serious eye damage.

### **Components:**

#### **Glycerin:**

Result : No eye irritation

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### HYDROGEN PEROXIDE:

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

### SODIUM HYDROXIDE:

Result : Corrosive

### PEPPERMINT (MENTHA PIPERITA) OIL:

Result : Irritation to eyes, reversing within 21 days

### Sodium Fluoride:

Result : Irritation to eyes, reversing within 21 days

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

### Components:

#### Glycerin:

Exposure routes : Inhalation  
Remarks : No data available

Result : 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.

### SODIUM HYDROXIDE:

Exposure routes : Inhalation  
Remarks : No data available

: Dermal

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Remarks : No data available

### PEPPERMINT (MENTHA PIPERITA) OIL:

Exposure routes : Inhalation  
Remarks : No data available

Result : Dermal  
: May cause sensitisation by skin contact.

### Sodium Fluoride:

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

### Components:

#### Sodium Fluoride:

Effects on fertility : Remarks: No data available  
Effects on foetal development : Remarks: No data available

### STOT - single exposure

Not classified based on available information.

### Components:

#### HYDROGEN PEROXIDE:

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

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### 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.

## Section 12: Ecological information

### Ecotoxicity

#### Components:

#### **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 : Exposure time:  
Remarks: No data available

#### **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:

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

### **SODIUM HYDROXIDE:**

Toxicity to fish : LC50 (Fish): 35 - 189 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 40.4 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:

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

### **PEPPERMINT (MENTHA PIPERITA) OIL:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.7 mg/l  
Exposure time: 48 h

### **Sodium Fluoride:**

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): > 500 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Crangon crangon (shrimp)): > 300 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum (green algae)): 272 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:

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### Persistence and degradability

#### Components:

##### **Glycerin:**

Biodegradability : Result: Readily biodegradable.

##### **HYDROGEN PEROXIDE:**

Biodegradability : Remarks: Not applicable

##### **SODIUM HYDROXIDE:**

Biodegradability : Remarks: Not applicable

##### **Sodium Fluoride:**

Biodegradability : Remarks: Not applicable

### Bioaccumulative potential

#### Components:

##### **Glycerin:**

Bioaccumulation : Remarks: No data available

##### **HYDROGEN PEROXIDE:**

Bioaccumulation : Remarks: No data available

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

##### **SODIUM HYDROXIDE:**

Bioaccumulation : Remarks: No data available

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

##### **Sodium Fluoride:**

Bioaccumulation : Remarks: No data available

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

### Mobility in soil

No data available

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### Other adverse effects

#### Product:

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) 7.6** :  
UN 3098 OXIDISING LIQUID, CORROSIVE, N.O.S. (Hydrogen Peroxide, Sodium Hydroxide), 5.1 (8), III.  
HazChem code: 2W

**NZS (New Zealand's Standards) 5433** :  
UN 3098 OXIDISING LIQUID, CORROSIVE, N.O.S. (Hydrogen Peroxide, Sodium Hydroxide), 5.1 (8), III.  
HazChem code: 2W

**IATA** :  
UN 3098 Oxidising liquid, corrosive, n.o.s. (Hydrogen Peroxide, Sodium Hydroxide), 5.1 (8), III.

**IMDG** :  
UN 3098 OXIDISING LIQUID, CORROSIVE, N.O.S. (Hydrogen Peroxide, Sodium Hydroxide), 5.1 (8), III.

**ADR** :  
UN 3098 OXIDISING LIQUID, CORROSIVE, N.O.S. (Hydrogen Peroxide, Sodium Hydroxide), 5.1 (8), III.

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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)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ BEI : New Zealand. Biological Exposure Indices

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / C : Ceiling limit

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-Ceiling : Workplace Exposure Standard - Ceiling

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); 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; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dan-



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gerous 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

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