

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: Total Original Antibacterial & Fluoride Toothpaste

Manufacturer: Colgate-Palmolive Ltd

SDS Expiry: 14 December 2023

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: 6

HSNO Group Standard: Dental Products Toxic 6.7 Group Standard 2017 HSR002560

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

Date Prepared: This coversheet was prepared on 21 February 2019

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 Total Original Antibacterial & Fluoride Toothpaste

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| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 14.12.2018 |
| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

Section 1: Identification

Product name : Colgate Total Original Antibacterial & Fluoride Toothpaste

Product code : B05469640007
: 200000056580

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 : 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

Serious eye damage/eye irritation : 2A

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

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

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Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

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 | >= 30 -< 40 |
| amorphous silica or silicates | 112926-00-8 | >= 10 -< 20 |
| SODIUM LAURYL SULFATE | 151-21-3 | >= 1 -< 3 |
| L-ARGININE | 74-79-3 | >= 1 -< 3 |
| ZINC OXIDE | 1314-13-2 | >= 1 -< 3 |
| SODIUM FLUORIDE | 7681-49-4 | >= 0.1 -< 1 |
| CARVONE | 99-49-0 | >= 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.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
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 give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

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Most important symptoms and effects, both acute and delayed : 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. 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.

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.

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 ap-

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| | | | |
|---------|----------------|--------------|---------------------------------|
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plication area.

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.
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 |
|-------------------------------|-------------|-------------------------------------|--|--------|
| GLYCERIN | 56-81-5 | WES-TWA (Mist) | 10 mg/m ³ | NZ OEL |
| amorphous silica or silicates | 112926-00-8 | WES-TWA | 10 mg/m ³ | NZ OEL |
| ZINC OXIDE | 1314-13-2 | WES-STEL (Fumes) | 10 mg/m ³ | NZ OEL |
| | | WES-TWA (Fume, respirable fraction) | 3 mg/m ³ | NZ OEL |
| | | WES-TWA (Respirable dust) | 10 mg/m ³ | NZ OEL |
| | | TWA (Respirable fraction) | 2 mg/m ³ | ACGIH |
| | | STEL (Respirable fraction) | 10 mg/m ³ | ACGIH |
| SODIUM FLUORIDE | 7681-49-4 | WES-TWA (Fluorine) | 2.5 mg/m ³ | NZ OEL |

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| | | | |
|----------------|------------------------------|-----------------------------|---|
| Version 1.2 | Revision Date: 21.12.2018 | SDS Number: 660000006962 | Date of last issue: 14.12.2018 Date of first issue: 04.10.2018 |
|----------------|------------------------------|-----------------------------|---|

| | | | |
|--|-----|-------------------------------------|-------|
| Further information: Exposure can also be estimated by biological monitoring | | | |
| | TWA | 2.5 mg/m ³ (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 |

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 con-

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centration of the dangerous substance at the work place.

Section 9: Physical and chemical properties

| | | |
|-------------|---|------------------------|
| Appearance | : | paste |
| Colour | : | white |
| pH | : | 7.5 |
| Flash point | : | No data available |
| Density | : | 1.29 g/cm ³ |

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 |
| 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. |

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| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

amorphous silica or silicates:

Acute oral toxicity : LD50 (Rat): > 22,500 mg/kg
Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

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

L-ARGININE:

Acute oral toxicity : LD50 (Rat): > 5,110 mg/kg
Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

ZINC OXIDE:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rabbit): > 5.7 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2,000 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

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| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

CARVONE:

Acute oral toxicity : LD50 (Rat): 1,640 mg/kg
Method: Directive 67/548/EEC, Annex V, B.1.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): 2,000 - 5,000 mg/kg
Method: No information available.

Skin corrosion/irritation

Not classified based on available information.

Components:

GLYCERIN:

Result : No skin irritation

amorphous silica or silicates:

Remarks : No data available

SODIUM LAURYL SULFATE:

Result : Severe skin irritation

L-ARGININE:

Result : No skin irritation

ZINC OXIDE:

Result : No skin irritation

SODIUM FLUORIDE:

Result : Severe skin irritation

CARVONE:

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

GLYCERIN:

Result : No eye irritation

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amorphous silica or silicates:

Remarks : No data available

SODIUM LAURYL SULFATE:

Result : Irreversible effects on the eye

L-ARGININE:

Result : Irritation to eyes, reversing within 21 days

ZINC OXIDE:

Result : No eye irritation

SODIUM FLUORIDE:

Result : Irritation to eyes, reversing within 21 days

CARVONE:

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:

GLYCERIN:

Exposure routes : Inhalation
Remarks : No data available

Result : Dermal
: Does not cause skin sensitisation.

amorphous silica or silicates:

Exposure routes : Inhalation
Remarks : No data available

Remarks : Dermal
: No data available

SODIUM LAURYL SULFATE:

Exposure routes : Inhalation
Remarks : No data available



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| Version | Revision Date: | SDS Number: | Date of last issue: 14.12.2018 |
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Result : Dermal
: Does not cause skin sensitisation.

L-ARGININE:

Exposure routes : Inhalation
Remarks : No data available

Remarks : Dermal
: No data available

ZINC OXIDE:

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

: Dermal
: Does not cause skin sensitisation.

SODIUM FLUORIDE:

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

: Dermal
: Does not cause skin sensitisation.

CARVONE:

Exposure routes : Inhalation
Remarks : No data available

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.

Components:

SODIUM FLUORIDE:

Effects on fertility : Remarks: No data available

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| Version | Revision Date: | SDS Number: | Date of last issue: 14.12.2018 |
| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

Effects on foetal development : Remarks: No data available

STOT - single exposure

Not classified based on available information.

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 : Exposure time:
Remarks: No data available

amorphous silica or silicates:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 10,000 mg/l
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

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| Version 1.2 | Revision Date: 21.12.2018 | SDS Number: 660000006962 | Date of last issue: 14.12.2018 Date of first issue: 04.10.2018 |
|----------------|------------------------------|-----------------------------|---|

Toxicity to algae : Remarks: No data available

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

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

L-ARGININE:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,800 mg/l
Exposure time: 24 h

Toxicity to algae : 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:

ZINC OXIDE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0.33 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.7 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (algae)): > 0.1 - 1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 0.24 mg/l

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

M-Factor (Chronic aquatic) : 1

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| | | | |
|---------|----------------|--------------|---------------------------------|
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| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

toxicity)

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 : 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:

CARVONE:

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

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

Persistence and degradability

Components:

GLYCERIN:

Biodegradability : Result: Readily biodegradable.

amorphous silica or silicates:

Biodegradability : Remarks: Not applicable

L-ARGININE:

Biodegradability : Result: Readily biodegradable.

ZINC OXIDE:

Biodegradability : Remarks: Not applicable

SODIUM FLUORIDE:

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| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 14.12.2018 |
| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

Biodegradability : Remarks: Not applicable

CARVONE:

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential

Components:

GLYCERIN:

Bioaccumulation : Remarks: No data available

amorphous silica or silicates:

Bioaccumulation : Remarks: No data available

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

L-ARGININE:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -4.20

ZINC OXIDE:

Bioaccumulation : Bioconcentration factor (BCF): 4.74

Partition coefficient: n-octanol/water : log Pow: 1.53

SODIUM FLUORIDE:

Bioaccumulation : Remarks: No data available

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

CARVONE:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: 3.07

Mobility in soil

No data available

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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) 7.5** :
Not regulated.
- NZS (New Zealand's Standards) 5433** :
Not regulated.
- IATA** :
Not regulated.
- IMDG** :
Not regulated.
- ADR** :
Not regulated.

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| 1.2 | 21.12.2018 | 660000006962 | Date of first issue: 04.10.2018 |

Section 15: Regulatory information

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

HSNO Approval Number

HSR002552

Cosmetic Products 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)

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 / STEL : Short-term exposure limit

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

NZ OEL / WES-STEEL : Workplace Exposure Standard - Short-Term Exposure Limit

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; 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 -

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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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