SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : COLGATE NEUTRAFLUOR 5000 PLUS PASTE-FRESH MINT

Product code : 200000025516
                B06703660001

Manufacturer or supplier’s details

Address : Colgate-Palmolive Pty Ltd., 345 George St, Sydney, New South Wales, Australia 2000.
Telephone : AU (02) 9229 5600
            NZ (04) 576 6700
Emergency telephone number : Global-CHEMTREC- +1 703-741-5970
                                AU: 131 126
                                NZ: 0800 764766

Recommended use of the chemical and restrictions on use

Recommended use : A formulated dentifrice.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation : Category 2A

GHS Label element

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.
                           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.
This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Other hazards which do not result in classification
No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYNTHETIC AMORPHOUS SILICA PRECIPITATED</td>
<td>amorphous silica or silicates</td>
<td>&gt;= 10 - &lt; 30</td>
<td></td>
</tr>
<tr>
<td>TETRAPOTASSIUM PYROPHOSPHATE</td>
<td>7320-34-5</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>SODIUM LAURYL SULFATE</td>
<td>151-21-3</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>SODIUM FLUORIDE</td>
<td>7681-49-4</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>CARVONE</td>
<td>6485-40-1</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>CARVONE</td>
<td>99-49-0</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>ANETHOLE</td>
<td>104-46-1</td>
<td>&lt; 10</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice: No hazards which require special first aid measures.

If inhaled: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

If swallowed: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Causes serious eye irritation.

Poisons Information Centre: AU: 131 126 NZ: 0800 764766

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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Hazardous combustion products: No hazardous combustion products are known
Specific extinguishing methods: Standard procedure for chemical fires.
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: No special environmental precautions required.
Methods and materials for containment and cleaning up: Wipe up with absorbent material (e.g. cloth, fleece). 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: For personal protection see section 8. No special handling advice required.
Hygiene measures: General industrial hygiene practice.
Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.
Materials to avoid: No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYNTHETIC AMORPHOUS SILICA PRECIPITATED</td>
<td></td>
<td>amorphous silica or silicates</td>
<td>TWA</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AU OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Further information: This value is for inhalable dust containing no asbestos and &lt; 1% crystalline silica</td>
<td></td>
</tr>
<tr>
<td>SODIUM FLUORIDE</td>
<td>7681-49-4</td>
<td>TWA</td>
<td>2.5 mg/m3 (Fluorine)</td>
<td>AU OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2.5 mg/m3 (Fluorine)</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>
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Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM FLUORIDE</td>
<td>7681-49-4</td>
<td>CUST-TD-95246</td>
<td>Urine</td>
<td>Prior to shift (16 hours after exposure ceases)</td>
<td>2 mg/l</td>
<td>ACGIH BEI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(CUST-N15.001106</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>65)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CUST-TD-95246</td>
<td>Urine</td>
<td>End of shift (As soon as possible after exposure ceases)</td>
<td>3 mg/l</td>
<td>ACGIH BEI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(CUST-N15.001106</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>65)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Colour : blue

pH : 8.0

Flash point : No data available

Density : 1.29 g/cm³

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.
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

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
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

TETRAPOTASSIUM PYROPHOSPHATE:
Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available
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 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
CARVONE:
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
   Method: No information available.

CARVONE:
Acute oral toxicity: LD50 (Rat): 1,640 mg/kg
Acute inhalation toxicity: Remarks: No data available
Acute dermal toxicity: LD50 (Rabbit): 2,000 - 5,000 mg/kg
   Method: No information available.

ANETHOLE:
Acute oral toxicity: LD50 (Rat): 2,090 mg/kg
Acute inhalation toxicity: Remarks: No data available
Acute dermal toxicity: Remarks: No data available

Skin corrosion/irritation
Not classified based on available information.

Product:
Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
Remarks: No data available

TETRAPOTASSIUM PYROPHOSPHATE:
Result: Severe skin irritation

SODIUM LAURYL SULFATE:
Result: Severe skin irritation

SODIUM FLUORIDE:
Result: Severe skin irritation

CARVONE:
Remarks: No data available

CARVONE:
Result: No skin irritation

ANETHOLE:
Result: Irritating to skin.
Serious eye damage/eye irritation
Causes serious eye irritation.

Product:
Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
Result: Eye irritation

TETRAPOTASSIUM PYROPHOSPHATE:
Result: Irritation to eyes, reversing within 21 days

SODIUM LAURYL SULFATE:
Result: Irreversible effects on the eye

SODIUM FLUORIDE:
Result: Irritation to eyes, reversing within 21 days

CARVONE:
Result: No eye irritation

CARVONE:
Result: No eye irritation

ANETHOLE:
Remarks: No data available

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Product:
Remarks: No data available

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Remarks: No data available

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

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

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

CARVONE:
Exposure routes: Inhalation
Remarks: No data available

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

CARVONE:
Exposure routes: Inhalation
Remarks: No data available

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

ANETHOLE:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Result: 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.

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 3 of the SDS.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
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
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:

TETRAPOTASSIUM PYROPHOSPHATE:
Toxicity to fish: Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Toxicity to algae: 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** (Pimephales promelas (fathead minnow)): 29 mg/l
  Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:
- **EC50** (Daphnia dubia (water flea)): 5.55 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:
- **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 daphnia and other aquatic invertebrates:
- **EC50** (Daphnia magna Straus): 38 mg/l
  Exposure time: 48 h

**CARVONE:**
Toxicity to fish:
- **LC50** (Fish): 13.602 mg/l
  Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:
- **EC50** (Daphnia (water flea)): 8.522 mg/l
  Exposure time: 48 h

Toxicity to algae:
- **EC50** (Desmodesmus subspicatus (green algae)): 8.17 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:

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

Toxicity to daphnia and other aquatic invertebrates:
- **EC50** (Daphnia magna (Water flea)): 5 mg/l
  Exposure time: 48 h

Toxicity to algae:
- **EC50** (calculated) (Pseudokirchneriella subcapitata (green
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Toxicity to fish (Chronic toxicity): No data available:

Exposure time: 72 h
Remarks: No data available

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

Persistence and degradability

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
Biodegradability: Remarks: Not applicable

TETRAPOTASSIUM PYROPHOSPHATE:
Biodegradability: Remarks: Not applicable

SODIUM LAURYL SULFATE:
Biodegradability: Result: Readily biodegradable
Method: OECD Test Guideline 301B

SODIUM FLUORIDE:
Biodegradability: Remarks: Not applicable

CARVONE:
Biodegradability: Result: Not readily biodegradable.

ANETHOLE:
Biodegradability: Result: Readily biodegradable

Bioaccumulative potential

Components:
SYNTHETIC AMORPHOUS SILICA PRECIPITATED:
Bioaccumulation: Remarks: No data available

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

TETRAPOTASSIUM PYROPHOSPHATE:
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
octanol/water

**CARVONE:**
Bioaccumulation : Remarks: No data available
Partition coefficient: n-octanol/water : log Pow: 3.07

**ANETHOLE:**
Bioaccumulation : Remarks: No data available
Partition coefficient: n-octanol/water : log Pow: 3.39

**Mobility in soil**
No data available

**Other adverse effects**

**Product:**
Additional ecological information : There is no data available for this product.

---

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**
Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

---

**SECTION 14. TRANSPORT INFORMATION**

**DOT** : Not regulated.
**TDG** : Not regulated.
**IATA** : Not regulated.
**IMDG** : Not regulated.
**ADR** : NOT REGULATED

International Regulation
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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons

Schedule 3

Prohibition/Licensing Requirements

There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; 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; TDG - Transportation of Dangerous Goods; 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; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemi-
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cal Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

Date format : dd.mm.yyyy

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.

AU / EN