1. Identification

GHS Product Identifier: B06702700001
Company Name: Colgate-Palmolive Pty Ltd (ABN 002 792 163)
Address: Australia: Level 14, 345 George Street, Sydney NSW 2000 Australia
Telephone/Fax Number: Tel: AUS (02) 9229 5600 NZ: 04 576 6700 Fax: AUS (02) 9229 5700, NZ: 04 568 8835
Emergency phone number: AUS 1800 638 556, NZ: 0800 764766

2. Hazard Identification

Classification of the substance or mixture:
- Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
- Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word(s):
- Danger

Hazard Statement(s):
- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H316 Causes mild skin irritation.
- H317 May cause an allergic skin reaction.

General Precautionary Statement(s):
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.

Pictogram(s):
- Flame
- Exclamation mark

Precautionary statement – Prevention:
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response:
- INGESTION: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- SKIN: P302+P352 IF ON SKIN: Wash with plenty of soap and water.
Classified as hazardous

**Precautionary statement – Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

### 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colophonium</td>
<td>8050-09-7</td>
<td>10–&lt;40 %</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>10–&lt;30 %</td>
</tr>
<tr>
<td>Sodium fluoride</td>
<td>7681-49-4</td>
<td>&lt;5 %</td>
</tr>
<tr>
<td>Saccharin</td>
<td>81-07-2</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Isoamyl acetate</td>
<td>123-92-2</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Ingredients determined not to be hazardous, including water.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 4. First-aid measures

**Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove contaminated clothing. Wash affected area thoroughly with soap and water. Wash contaminated clothing before re-use or discard. Seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

**First Aid Facilities**

Eyewash and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used. Do not use water jet.

**Unsuitable extinguishing media**

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Hazards from Combustion Products**

Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

**Hazchem Code**

•3Y

**Decomposition Temp.**

Not available

**Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

### 6. Accidental release measures
Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities. Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

8. Exposure controls/personal protection

No exposure value assigned for this specific material by the Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA (ppm)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1000</td>
<td>1880</td>
</tr>
<tr>
<td>Isoamyl acetate</td>
<td>50</td>
<td>270</td>
</tr>
</tbody>
</table>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Exposure Indices BEI from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

<table>
<thead>
<tr>
<th>Determinant</th>
<th>Sampling Time</th>
<th>Biological Exposure Index (BEI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorides in urine</td>
<td>Prior to shift</td>
<td>2 mg/L</td>
</tr>
<tr>
<td>Fluorides in urine</td>
<td>End of shift</td>
<td>3 mg/L</td>
</tr>
</tbody>
</table>

Not required under normal conditions of use. For Industrial Applications:

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Not required under normal conditions of use. For Industrial Applications: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection
Not required under normal conditions of use. For Industrial Applications: Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Hand Protection
Not required under normal conditions of use. For Industrial Applications: Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

Body Protection
Not required under normal conditions of use. For Industrial Applications: Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Appearance
Brown/yellow, opaque gel

Odour
Raspberry odour

Decomposition Temperature
Not available

Melting Point
Not available

Boiling Point
Not available

Solubility in Water
Soluble

Specific Gravity
1.0215 (25°C)

pH
Not available

Vapour Pressure
Not available

Vapour Density (Air=1)
Not available

Evaporation Rate
Not available

Odour Threshold
Not available

Viscosity
Not available

Partition Coefficient: n-octanol/water
Not available

Flash Point
Not available

Flammability
Highly flammable

Auto-Ignition Temperature
Not available

Flammable Limits - Lower
Not available

Flammable Limits - Upper
Not available

10. Stability and reactivity

Reactivity
Reacts with incompatible materials.

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
Heat, flames and other sources of ignition.

Incompatible Materials
Strong oxidizing agents and strong acids.

Hazardous Decomposition
Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Products
Contact with acids liberates very toxic gas.
# Safety Data Sheet

**Product Name:** DURAPHAT FLUORIDE VARNISH

## 11. Toxicological Information

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>Will not occur.</th>
</tr>
</thead>
</table>

### 11.1. Toxicology Information

#### Ingestion

No toxicity data available for this material. Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

#### Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Overexposure to high concentrations may result in similar central nervous system effects to those of ingestion i.e. headaches, dizziness, drowsiness, nausea, leading to possible unconsciousness and coma.

#### Skin

Causes mild skin irritation. May cause an allergic skin reaction. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

#### Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

#### Respiratory sensitisation

Not expected to be a respiratory sensitiser.

#### Skin Sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

Not considered to be a mutagenic hazard.

#### Carcinogenicity

Not considered to be a carcinogenic hazard. Saccharin is listed as a Group 3: Not classifiable as to carcinogenicity to humans, according to International Agency for Research on Cancer (IARC).

#### Reproductive Toxicity

Not considered to be toxic to reproduction.

#### STOT-single exposure

Not expected to cause toxicity to a specific target organ.

#### STOT-repeated exposure

Not expected to cause toxicity to a specific target organ through repeated or prolonged exposure.

#### Aspiration Hazard

Not expected to be an aspiration hazard.

## 12. Ecological Information

### Ecotoxicity

No ecological data are available for this material.

### Persistence and degradability

Not available

### Mobility

Not available

### Bioaccumulative Potential

Not available

### Environmental Protection

Prevent this material entering waterways, drains and sewers.

## 13. Disposal considerations

### Disposal Considerations

Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.

## 14. Transport information

### Transport Information

Road and Rail Transport:

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
Safety Data Sheet

Product Name: DURAPHAT FLUORIDE VARNISH

Classified as hazardous

- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)
- Division 2.3, Toxic Gases
- Division 4.2 Spontaneously Combustible Substances
- Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides
- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No.: 1993
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains Ethanol)
Class: 3
Packaging Group: III
EMS No.: F-E, S-E
Special Provision(s): 223 274 955

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No.: 1993
Proper Shipping Name: Flammable liquid, n.o.s. (Contains Ethanol)
Class: 3
Packaging Group: III
Label: Flammable Liquid
Packaging Instructions (passenger & cargo): 355
Packaging Instructions (cargo only): 366
Special Provision(s): A3

1993

FLAMMABLE LIQUID, N.O.S. - (Contains Ethanol)

U.N. Number
UN proper shipping name
Transport hazard class(es)
Hazchem Code
• 3Y
Packing Group
III
EPG Number
3A1
IERG Number
14
IMDG Marine pollutant
No

15. Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMF).
S4

AICS (Australia)
All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Date of preparation or last revision of SDS
SDS Reviewed: October 2013
Supersedes: October 2008

References:
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Product Name: **DURAPHAT FLUORIDE VARNISH**

Classified as hazardous


Contact Person/Point

24Hr Emergency Response
Australia- 1800 638 556
New Zealand- 0800 764 766

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