

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: Coe Comfort Liquid & Pwd

Manufacturer: GC Corporation

SDS Expiry: 10 November 2025

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: 3, 6, 9

HSNO Group Standard: Dental Products Flammable Group Standard 2017 HSR002556

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

Date Prepared: This coversheet was prepared on 12 November 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.

## Safety Data Sheet in accordance with HSNO

Printing date 10.11.2020

Version number 4

Revision: 10.11.2020

### 1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** *Coe Comfort Powder*
- **Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / the mixture** *Auxillary for dental technology*
- **Details of the supplier of the safety data sheet**  
*Henry Schein Dental  
23 William Pickering Drive, Albany  
Auckland 0632, NEW ZEALAND*  
  
*PO Box 101140, NSMC  
Auckland 0745, NEW ZEALAND*  
  
*Free Phone: 0800 808 855*
- **Further information obtainable from:** *Regulatory affairs*
- **Emergency telephone number:** *0800 764 766 (National Poisons Centre)*

### 2 Hazards identification

- **Classification of the substance or mixture**  
*Skin Corr. 3      H316 Causes mild skin irritation.  
Aquatic Acute 3    H402 Harmful to aquatic life.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.*
- **Label elements**
- **GHS label elements**  
*Exempt from requirements - product regulated as a medical device or an in vitro diagnostic medical device.  
The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms** *Void*
- **Signal word** *Warning*
- **Hazard statements**  
*Causes mild skin irritation.  
Harmful to aquatic life with long lasting effects.*
- **Precautionary statements**  
*Avoid release to the environment.  
If skin irritation occurs: Get medical advice/attention.  
Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

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Trade name: *Coe Comfort Powder*

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### 3 Composition/Information on ingredients

- **Chemical characterisation: Mixtures**

- **Description:**

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

- **Dangerous components:**

|                   |  |         |
|-------------------|--|---------|
| CAS: 112-38-9     | 10-Undecenoic acid   | 2.5-<5% |
| EINECS: 203-965-8 | Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Acute Tox. 5, H303; Aquatic Acute 2, H401 |         |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**

- **General information:** If symptoms persist consult doctor.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Take affected persons into fresh air and keep quiet.

- **After skin contact:** If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** Wear self-contained respiratory protective device.

- **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Remove persons from danger area.

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- Avoid formation of dust.*
- Wear protective clothing.*
- **Environmental precautions:**
  - Do not allow product to reach sewage system or any water course.*
  - Do not allow to penetrate the ground/soil.*
- **Methods and material for containment and cleaning up:**
  - Pick up mechanically.*
  - Prevent formation of dust.*
  - Dispose of the material collected according to regulations.*
- **Reference to other sections**
  - See Section 7 for information on safe handling.*
  - See Section 8 for information on personal protection equipment.*
  - See Section 13 for disposal information.*

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
  - Prevent formation of dust.*
  - Any unavoidable deposit of dust must be regularly removed.*
- **Information about fire - and explosion protection:** *Dust can combine with air to form an explosive mixture.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.*
  - Information about storage in one common storage facility: Store away from foodstuffs.*
  - Further information about storage conditions: None.*
  - Specific end use(s) No further relevant information available.*

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists valid during the making were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.*
  - Do not inhale dust / smoke / mist.*
  - Wash hands before breaks and at the end of work.*
- **Respiratory protection:** *Suitable respiratory protective device recommended.*
- **Protection of hands:** *Protective gloves*
- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

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- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

|                         |                 |
|-------------------------|-----------------|
| <b>Form:</b>            | Powder          |
| <b>Colour:</b>          | White           |
| <b>Odour:</b>           | Characteristic  |
| <b>Odour threshold:</b> | Not determined. |

- **pH-value:** Not applicable.

- **Change in condition**

|   |               |
|---|---------------|
| <b>Melting point/freezing point:</b>            | Undetermined. |
| <b>Initial boiling point and boiling range:</b> | Undetermined. |

- **Flash point:** Not applicable.

- **Flammability (solid, gas):** Not determined.

- **Ignition temperature:** Undetermined.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

|               |                 |
|---------------|-----------------|
| <b>Lower:</b> | Not determined. |
| <b>Upper:</b> | Not determined. |

- **Vapour pressure:** Not applicable.

|                          |                       |
|--------------------------|-----------------------|
| <b>Density at 20 °C:</b> | 0.6 g/cm <sup>3</sup> |
| <b>Relative density</b>  | Not determined.       |
| <b>Vapour density</b>    | Not applicable.       |
| <b>Evaporation rate</b>  | Not applicable.       |

- **Solubility in / Miscibility with water:** Insoluble.

- **Partition coefficient: n-octanol/water:** Not determined.

- **Viscosity:**

|                   |                 |
|-------------------|-----------------|
| <b>Dynamic:</b>   | Not applicable. |
| <b>Kinematic:</b> | Not applicable. |

- **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.

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- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

112-38-9 10-Undecenoic acid

|      |      |                         |
|------|------|-------------------------|
| Oral | LD50 | 2,500 mg/kg (rat (f+m)) |
|------|------|-------------------------|

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

|  |                        |
|--|------------------------|
| · <b>UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | <i>not regulated</i>   |
| · <b>UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | <i>not regulated</i>   |
| · <b>Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | <i>not regulated</i>   |
| · <b>Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | <i>not regulated</i>   |
| · <b>Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | <i>No</i>              |
| · <b>Special precautions for user</b>  | <i>Not applicable.</i> |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | <i>Not applicable.</i> |
| · <b>UN "Model Regulation":</b>  | <i>not regulated</i>   |

### 15 Regulatory information

|  |   |
|--|---|
| · <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>  |   |
| · <b>New Zealand Inventory of Chemicals</b>  |   |
| <i>All ingredients are listed.</i>   |   |
| · <b>HSNO Approval numbers</b>   |   |
| <i>112-38-9</i>  | <i>10-Undecenoic acid</i> <span style="float: right;"><i>HSR003810</i></span> |
| · <b>GHS label elements</b> <i>The product is classified and labelled according to the Globally Harmonised System (GHS).</i>   |   |
| · <b>Hazard pictograms</b> <i>Void</i>   |   |
| · <b>Signal word</b> <i>Warning</i>  |   |
| · <b>Hazard statements</b><br><i>Causes mild skin irritation.</i><br><i>Harmful to aquatic life with long lasting effects.</i>   |   |
| · <b>Precautionary statements</b><br><i>Avoid release to the environment.</i><br><i>If skin irritation occurs: Get medical advice/attention.</i><br><i>Dispose of contents/container in accordance with local/regional/national/international regulations.</i> |   |
| · <b>Directive 2012/18/EU</b>  |   |
| · <b>Named dangerous substances - ANNEX I</b> <i>None of the ingredients is listed.</i>  |   |
| · <b>Chemical safety assessment:</b> <i>A Chemical Safety Assessment has not been carried out.</i>   |   |

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### 16 Other information

· **Relevant phrases**

- H303 May be harmful if swallowed.*
- H315 Causes skin irritation.*
- H319 Causes serious eye irritation.*
- H401 Toxic to aquatic life.*
- H411 Toxic to aquatic life with long lasting effects.*

· **Department issuing SDS:** Regulatory affairs

· **Contact:** *msds@gc.dental*

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
- IMDG: International Maritime Code for Dangerous Goods*
- IATA: International Air Transport Association*
- EINECS: European Inventory of Existing Commercial Chemical Substances*
- ELINCS: European List of Notified Chemical Substances*
- CAS: Chemical Abstracts Service (division of the American Chemical Society)*
- LC50: Lethal concentration, 50 percent*
- LD50: Lethal dose, 50 percent*
- PBT: Persistent, Bioaccumulative and Toxic*
- vPvB: very Persistent and very Bioaccumulative*
- Acute Tox. 5: Acute toxicity - oral – Category 5*
- Skin Irrit. 2: Skin corrosion/irritation – Category 2*
- Skin Corr. 3: Skin corrosion/irritation – Category 3*
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*
- Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2*
- Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3*
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

· **Sources**

- ECHA (<http://echa.europa.eu/>)
- EnviChem ([www.echemportal.org](http://www.echemportal.org))

· **\* Data compared to the previous version altered.**

*This version replaces all previous versions.*

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## Safety Data Sheet in accordance with HSNO

Printing date 10.11.2020


Version number 5

Revision: 10.11.2020

### 1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** *Coe Comfort Liquid*
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** *Auxillary for dental technology*
- **Details of the supplier of the safety data sheet**  
*Henry Schein Dental  
23 William Pickering Drive, Albany  
Auckland 0632, NEW ZEALAND*  
  
*PO Box 101140, NSMC  
Auckland 0745, NEW ZEALAND*  
  
*Free Phone: 0800 808 855*
- **Further information obtainable from:** *Regulatory affairs*
- **Emergency telephone number:** *0800 764 766 (National Poisons Centre)*

### 2 Hazards identification

- **Classification of the substance or mixture**  
*Flam. Liq. 2      H225 Highly flammable liquid and vapour.  
Acute Tox. 4      H302 Harmful if swallowed.  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.*
- **Label elements**
- **GHS label elements**  
*Exempt from requirements - product regulated as a medical device or an in vitro diagnostic medical device.  
The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**  
  
GHS02    GHS07    GHS09
- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*Benzyl benzoate*
- **Hazard statements**  
*Highly flammable liquid and vapour.  
Harmful if swallowed.  
Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**  
*Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Wear protective gloves / eye protection / face protection.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.*

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**Trade name: Coe Comfort Liquid**

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*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*Store in a well-ventilated place. Keep cool.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/Information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:**

*Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.*

- **Dangerous components:**

|                                    |  |           |
|------------------------------------|--|-----------|
| CAS: 120-51-4<br>EINECS: 204-402-9 | Benzyl benzoate<br>-----<br>Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 5, H313  | 50-<75%   |
| CAS: 64-17-5<br>EINECS: 200-578-6  | ethyl alcohol<br>-----<br>Flam. Liq. 2, H225; Eye Irrit. 2A, H319  | 5-<10%    |
| CAS: 8006-90-4                     | Peppermint oil<br>-----<br>Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317; Flam. Liq. 4, H227; Aquatic Acute 2, H401 | 0.5-<1%   |
| CAS: 128-37-0<br>EINECS: 204-881-4 | Butylated hydroxytoluene<br>-----<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410  | 0.1-<0.2% |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information:**  
*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*  
*If symptoms persist consult doctor.*
- **After inhalation:**  
*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.*  
*Do not use mouth to mouth or mouth to nose resuscitation.*  
*Take affected persons into fresh air and keep quiet.*
- **After skin contact:** *If skin irritation continues, consult a doctor.*
- **After eye contact:**  
*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- **After swallowing:**  
*Do not induce vomiting; call for medical help immediately.*  
*Rinse out mouth and then drink plenty of water.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*

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### 5 Fire fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Remove persons from danger area.  
Keep away from ignition sources.  
Wear protective clothing.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to penetrate the ground/soil.  
In case of seepage into the ground inform responsible authorities.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb liquid components with liquid-binding material.  
Dispose of the material collected according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Do not spray onto a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.

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**Trade name: Coe Comfort Liquid**

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- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.  
Store in a cool place.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**64-17-5 ethyl alcohol**

WES (New Zealand) Long-term value: 1880 mg/m<sup>3</sup>, 1000 ppm

· **DNELs**

**128-37-0 Butylated hydroxytoluene**

Dermal DNEL dermal 0.5 mg/kg bw/day (man)

Inhalative DNEL inhalation 3.5 mg/m<sup>3</sup> (man)

· **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.  
Keep away from foodstuffs, beverages and feed.

· **Respiratory protection:** Suitable respiratory protective device recommended.

· **Protection of hands:** Protective gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

**Form:** Liquid

**Colour:** Clear

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Trade name: *Coe Comfort Liquid*

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|  |   |
|--|---|
| · <b>Odour:</b>                                  | Characteristic                                |
| · <b>Odour threshold:</b>                        | Not determined.                               |
| · <b>pH-value:</b>                               | Not determined.                               |
| · <b>Change in condition</b>                     |   |
| <b>Melting point/freezing point:</b>             | Undetermined.                                 |
| <b>Initial boiling point and boiling range:</b>  | 96 °C   |
| · <b>Flash point:</b>                            | 13 °C   |
| · <b>Flammability (solid, gas):</b>              | Not applicable.                               |
| · <b>Ignition temperature:</b>                   | Undetermined.                                 |
| · <b>Decomposition temperature:</b>              | Not determined.                               |
| · <b>Auto-ignition temperature:</b>              | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                   | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                       |   |
| <b>Lower:</b>                                    | Not determined.                               |
| <b>Upper:</b>                                    | Not determined.                               |
| · <b>Vapour pressure:</b>                        | Not determined.                               |
| · <b>Density at 20 °C:</b>                       | 1.03 g/cm <sup>3</sup>                        |
| · <b>Relative density</b>                        | Not determined.                               |
| · <b>Vapour density</b>                          | Not determined.                               |
| · <b>Evaporation rate</b>                        | Not determined.                               |
| · <b>Solubility in / Miscibility with water:</b> | Insoluble.                                    |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                               |
| · <b>Viscosity:</b>                              |   |
| <b>Dynamic at 20 °C:</b>                         | 8.3 mPas                                      |
| <b>Kinematic:</b>                                | Not determined.                               |
| · <b>Solvent content:</b>                        |   |
| <b>Organic solvents:</b>                         | 7.4 %   |
| <b>VOC (EC)</b>                                  | 76.5 g/l                                      |
| · <b>Other information</b>                       | No further relevant information available.    |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

-NZ

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### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

|  |          |                                     |
|--|----------|-------------------------------------|
| <b>120-51-4 Benzyl benzoate</b>          |          |                                     |
| Oral                                     | LD50     | 500 mg/kg (rat (f+m))               |
| Dermal                                   | LD50     | 4,000 mg/kg (rat (f+m))             |
| <b>64-17-5 ethyl alcohol</b>             |          |                                     |
| Oral                                     | LD50     | 7,060 mg/kg (rat (f+m))             |
| Inhalative                               | LC50/4 h | 20,000 mg/l (rat (f+m))             |
| <b>128-37-0 Butylated hydroxytoluene</b> |          |                                     |
| Oral                                     | LD50     | >6,000 mg/kg (rat (f+m)) (OECD 401) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

|  |                                      |
|--|--------------------------------------|
| <b>128-37-0 Butylated hydroxytoluene</b> |                                      |
| EC50/48h (static)                        | 0.48 mg/l (daphnia magna) (OECD 202) |

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

|   |  |
|---|--|
| · <b>UN-Number</b><br>· <b>ADR, IMDG, IATA</b>                                      | UNI987   |
| · <b>UN proper shipping name</b><br>· <b>ADR</b>                                    | 1987 ALCOHOLS, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL), ENVIRONMENTALLY HAZARDOUS, special provision 640D |
| · <b>IMDG</b>   | ALCOHOLS, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL), MARINE POLLUTANT                                       |
| · <b>IATA</b>   | ALCOHOLS, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL)   |
| · <b>Transport hazard class(es)</b><br>· <b>ADR</b>                                 |  |
|  |  |
| · <b>Class</b><br>· <b>Label</b>  | 3 (F1) Flammable liquids.<br>3   |
| · <b>IMDG</b>   |  |
|  |  |
| · <b>Class</b><br>· <b>Label</b>  | 3 Flammable liquids.<br>3  |
| · <b>IATA</b>   |  |
|  |  |
| · <b>Class</b><br>· <b>Label</b>  | 3 Flammable liquids.<br>3  |
| · <b>Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                  | II   |

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|   |  |
|---|--|
| · <b>Environmental hazards:</b>   | Product contains environmentally hazardous substances:<br>Butylated hydroxytoluene, Benzyl benzoate                      |
| · <b>Marine pollutant:</b>  | Yes  |
| · <b>Special marking (ADR):</b>   | Symbol (fish and tree)   |
| · <b>Special precautions for user</b>                                       | Warning: Flammable liquids.  |
| · <b>Hazard identification number (Kemler code):</b>                        | 33   |
| · <b>EMS Number:</b>  | F-E,S-D  |
| · <b>Stowage Category</b>   | B  |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.  |
| · <b>Transport/Additional information:</b>                                  |  |
| -----   |  |
| · <b>ADR</b>  |  |
| · <b>Limited quantities (LQ)</b>  | 1L   |
| · <b>Excepted quantities (EQ)</b>   | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml          |
| · <b>Transport category</b>   | 2  |
| · <b>Tunnel restriction code</b>  | D/E  |
| -----   |  |
| · <b>IMDG</b>   |  |
| · <b>Limited quantities (LQ)</b>  | 1L   |
| · <b>Excepted quantities (EQ)</b>   | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml          |
| · <b>UN "Model Regulation":</b>   | UN 1987 ALCOHOLS, N.O.S., SPECIAL PROVISION 640D (ETHANOL SOLUTION, ISOPROPYL ALCOHOL), 3, II, ENVIRONMENTALLY HAZARDOUS |

### 15 Regulatory information

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

|   |                          |           |
|---|--------------------------|-----------|
| · <b>New Zealand Inventory of Chemicals</b> |                          |           |
| 120-51-4                                    | Benzyl benzoate          |           |
| 64-17-5                                     | ethyl alcohol            |           |
| 77-90-7                                     | Tributyl acetylcitrate   |           |
| 8006-90-4                                   | Peppermint oil           |           |
| 119-36-8                                    | methyl salicylate        |           |
| 67-63-0                                     | isopropyl alcohol        |           |
| 128-37-0                                    | Butylated hydroxytoluene |           |
| · <b>HSNO Approval numbers</b>              |                          |           |
| 120-51-4                                    | Benzyl benzoate          | HSR003504 |
| 64-17-5                                     | ethyl alcohol            | HSR001144 |
| 8006-90-4                                   | Peppermint oil           | HSR003779 |
| 128-37-0                                    | Butylated hydroxytoluene | HSR002784 |

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- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02    GHS07    GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*Benzyl benzoate*
- **Hazard statements**  
*Highly flammable liquid and vapour.*  
*Harmful if swallowed.*  
*Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**  
*Keep away from heat/sparks/open flames/hot surfaces. No smoking.*  
*Wear protective gloves / eye protection / face protection.*  
*IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.*  
*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*  
*Store in a well-ventilated place. Keep cool.*  
*Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **Seveso category**  
*E2 Hazardous to the Aquatic Environment*  
*P5c FLAMMABLE LIQUIDS*
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** *200 t*
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** *500 t*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

### 16 Other information

- **Relevant phrases**  
*H225 Highly flammable liquid and vapour.*  
*H227 Combustible liquid.*  
*H302 Harmful if swallowed.*  
*H313 May be harmful in contact with skin.*  
*H315 Causes skin irritation.*  
*H317 May cause an allergic skin reaction.*  
*H319 Causes serious eye irritation.*  
*H400 Very toxic to aquatic life.*  
*H401 Toxic to aquatic life.*  
*H410 Very toxic to aquatic life with long lasting effects.*  
*H411 Toxic to aquatic life with long lasting effects.*
- **Department issuing SDS:** *Regulatory affairs*
- **Contact:** *msds@gc.dental*
- **Abbreviations and acronyms:**  
*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*  
*IMDG: International Maritime Code for Dangerous Goods*

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*IATA: International Air Transport Association*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*ELINCS: European List of Notified Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*DNEL: Derived No-Effect Level (REACH)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Flam. Liq. 2: Flammable liquids – Category 2*  
*Flam. Liq. 4: Flammable liquids – Category 4*  
*Acute Tox. 4: Acute toxicity - oral – Category 4*  
*Acute Tox. 5: Acute toxicity - dermal – Category 5*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*  
*Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2*  
*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

• **Sources**

- ECHA (<http://echa.europa.eu/>)
- EnviChem ([www.echemportal.org](http://www.echemportal.org))

• \* **Data compared to the previous version altered.**

*This version replaces all previous versions.*

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