CARMEL GROUP INC.
MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product</th>
<th>Revision date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braces Wax</td>
<td>27 November 2009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Previous revision date</th>
<th>Product code</th>
<th>Material use</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 September 2007</td>
<td>RWXXXX (See P. 4)</td>
<td>Used by orthodontic patients to guard against irritation.</td>
</tr>
</tbody>
</table>

Manufacturer’s Name and issuing location
CARMEL GROUP INC.
10220 ARMAND LAVERGNE, MONTRÉAL, QUEBEC, CANADA, H1H 3N4
Tel : 514-270-5377    Fax : 514-270-2025
INTERNET : www.carmelindustries.com

EMERGENCY PHONE NUMBER
CHEMTREC USA 800-424-9300
International 1-703-527-3887

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>Note (Sect 15)</th>
<th>CAS #</th>
<th>Amount</th>
<th>Exposure Limits (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None as defined by OSHA 29 CRF 1910.1200 &amp; by Canadian WHMIS CPR</td>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL-TWA</td>
</tr>
</tbody>
</table>

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview
The product is not expected to present any unusual hazards in proper use.

SKIN CONTACT
No danger at room temperature.

EYE CONTACT
No danger at room temperature.

INHALATION
Not likely to occur as the product is not volatile at room temperature.

INGESTION
May cause gastrointestinal irritation, nausea, vomiting and diarrhea if ingested in large quantity.

Potential Health Effects (NFPA Classification)
- Fire hazard : 1
- Health Hazard : 0
- Reactivity : 0
- Personal Protection : See Section 8

0 = Minimal 1 = Slight hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

Potential Health Effects (HMIS Rating)
- Health : 0
- Flammability : 1
- Reactivity : 0

0 = Minimal 1 = Slight hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

SECTION 4 – FIRST AID MEASURES

EYE CONTACT
Exposure to fumes, vapours or smoke of the thermally degraded product can result in irritation to the eye and direct contact of the molten material will cause eye injury and burns. Should an accident occur, flush eyes with generous amounts of water for at least 15 minutes. **Call a physician to attend to the injury.**

SKIN CONTACT
Exposure to fumes, vapours or smoke of thermally degraded product can result in irritation to skin and direct contact of the molten material will cause injury and burns. For burns apply running water over the injured area for 15 minutes. Do not attempt to remove any material bonded to skin. **Call a physician to attend to the injury.**

INHALATION
Remove individual to a well ventilated area for fresh air and **call a physician to attend to the injury.**

INGESTION
Material is not acutely toxic by ingestion. **If material is ingested, do not induce vomiting. Call a physician.**

ADDITIONAL INFO
None

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media
Treat as an oil fire. Use Foam, Dry Chemical and CO₂.
**Special Fire fighting Procedure**

Keep people away from fire and smoke, Wear full fire fighting turn-out gear and respiratory protection (SCBA).

**Unusual Fire and Explosion Hazards**

This product will burn if involved in a fire.

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### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Small Spills**

Not likely to occur in solid format. Sweep and scrap the spill.

**Large Spills**

Not likely to occur in solid format. May melt if exposed to excessive heat. In that case, let the material solidify and scrap the spill.

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### SECTION 7 – HANDLING AND STORAGE

**Handling procedures**

Handle as a fragile material. Wash thoroughly exposed body part after using.

**Storage precautions**

Normal precaution should be followed in handling and storage. Store in a dry & cool place. Keep out of strong sunlight. Do not store at temperature : > 50˚C / 120˚F or near spark or open flame.

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### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTION

- **Respiratory protection**
  
  No special respiratory protection is normally required.

- **Protective gloves**
  
  Rubber glove to prevent burning with the melted wax.

- **Eye protection**
  
  Protective goggle to prevent burning by splatter of melted wax.

- **Clothing**
  
  Standard industrial.

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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear white wax in 5 strips squares</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Mint, Cinnamon or None</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid @ 25˚C/77˚F</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>~ 80˚C / 175˚F</td>
</tr>
<tr>
<td><strong>Specific gravity (H₂O=1)</strong></td>
<td>&lt; 1</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>N / AV.</td>
</tr>
<tr>
<td><strong>Vapour pressure (mm Hg)</strong></td>
<td>&lt;0.01 @ 25˚C/77˚F</td>
</tr>
<tr>
<td><strong>Solubility in water</strong></td>
<td>Insoluble</td>
</tr>
<tr>
<td><strong>Partitioning coefficient</strong></td>
<td>N / AV.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>N / AV.</td>
</tr>
<tr>
<td><strong>Percent volatiles</strong></td>
<td>Nil</td>
</tr>
</tbody>
</table>

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### SECTION 10 – STABILITY AND REACTIVITY DATA

- **Stability**
  
  Stable

- **Incompatibility**
  
  Normally unreactive; however avoid contact with strong oxidizing agent (ex. Peroxides, chlorine).

- **Hazardous decomposition products**
  
  Burning can produce noxious and toxic fumes, and the following combustion products : Oxides of carbon & Other complex chemical.

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### SECTION 11 – TOXICOLOGICAL INFORMATION

- **Carcinogenicity**
  
  Not listed, not carcinogenic to date.

- **Mutagenicity / Teratogenicity**
  
  Not listed

- **Irritancy of Material**
  
  None known

- **Sensitizing Capability**
  
  None known

- **Reproductive Effects**
  
  None known

- **Synergistic Materials**
  
  None known

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### SECTION 12 – ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant. Not expected to be acutely toxic to aquatic organism.

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### SECTION 13 – DISPOSAL CONSIDERATION

Incineration is probably the best mean of disposal. Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.

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### SECTION 14 – TRANSPORT INFORMATION

- **Dot Hazard Classification**
  
  Not regulated

- **IATA Classification**
  
  Not regulated

- **ICAO Classification**
  
  Not regulated
SECTION 15 – REGULATORY INFORMATION

Hazard Details of SECTION 2

SARA Status

SARA Hazard Cat.

TSCA Status

DSL Status

EINECS Status

AICS Status

OSHA Status

WHMIS Status

OSHA HCS Compliance

WHMIS CPR Compliance

ANSI Z400.1-1993 Compliance

N/AV=NOT AVAILABLE

MSDS Originally made by
Karl Pinard

Revised by
Samia Ghezlaoui

The information contained in this document is derived from data supplied to Carmel Group by the manufacturers or distributors of the raw materials combined to form this product. However, Carmel Group makes no representations as to its completeness or accuracy. To the best of our knowledge all hazards have been noted for the intended use of the product and, since Carmel Group cannot control conditions of use, the end user is obliged to determine the conditions permitting safe use of the product. In no event will Carmel Group be responsible for damage of any nature whatsoever resulting from the use of or reliance upon the information contained herein.
# Product Code and Description

<table>
<thead>
<tr>
<th>Product code</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW40113</td>
<td>Relief Wax Regular (Silver Box)</td>
</tr>
<tr>
<td>RW40080</td>
<td>Orthodontic Wax Plain (Transparent Box)</td>
</tr>
<tr>
<td>RW40010</td>
<td>Orthodontic Wax Mint (Transparent Box)</td>
</tr>
<tr>
<td></td>
<td><strong>Scented Colored Box</strong></td>
</tr>
<tr>
<td>RW40201</td>
<td>Relief Wax Grape</td>
</tr>
<tr>
<td>RW40202</td>
<td>Relief Wax Pineapple</td>
</tr>
<tr>
<td>RW40203</td>
<td>Relief Wax Coconut</td>
</tr>
<tr>
<td>RW40204</td>
<td>Relief Wax Blueberry</td>
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<tr>
<td>RW40205</td>
<td>Relief Wax Chocolate</td>
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<td>RW40209</td>
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<td>RW40210</td>
<td>Relief Wax Mint</td>
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<tr>
<td>RW40212</td>
<td>Relief Wax Orange</td>
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<tr>
<td>RW40216</td>
<td>Relief Wax Cinnamon</td>
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<tr>
<td>RW40219</td>
<td>Relief Wax Bubble Gum</td>
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<td>RW41603</td>
<td>Relief Wax Cotton Candy</td>
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<td><strong>Scented Colored Wax</strong></td>
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<tr>
<td>RW40312</td>
<td>Patient Wax Orange</td>
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<td>RW40323</td>
<td>Patient Wax Lime</td>
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<tr>
<td>RW40301</td>
<td>Patient Wax Grape</td>
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<tr>
<td>RW40302</td>
<td>Patient Wax Lemon</td>
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<tr>
<td>RW40309</td>
<td>Patient Wax Cherry</td>
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