Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
DENTSPLY SOFSCALE CALCULUS SCALING GEL

PRODUCT USE
Dental cleaning gel.

SUPPLIER
Company: DENTSPLY (AUSTRALIA) PTY LTD
Address:
11- 21 Gilby Road
Mount Waverley
VIC 3149
AUSTRALIA
Telephone: 1300 55 29 29
Emergency Tel: 1300 55 29 29 (Hours of operation: Monday - Friday 9:00 am - 5:00 pm EST; General information only)
Fax: +61 3 9538 8260

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE
NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE
None

RISK
None under normal operating conditions.

SAFETY
■ Do not breathe dust.
■ Avoid contact with skin.
■ Wear eye/face protection.
■ In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS RN</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>Notspec</td>
</tr>
<tr>
<td>aspartame</td>
<td>22839-47-0</td>
<td>NotSpec</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES

SWALLOWED
■ - Immediately give a glass of water.
■ - First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE
■ - If this product comes in contact with the eyes:
■ - Immediately hold eyelids apart and flush the eye continuously with running water.
■ - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

SKIN
■ - If skin contact occurs:
■ - Immediately remove all contaminated clothing, including footwear.
■ - Flush skin and hair with running water (and soap if available).

INHALED
■ - If fumes or combustion products are inhaled remove from contaminated area.
■ - Other measures are usually unnecessary.

NOTES TO PHYSICIAN
■ Treat symptomatically.

continued...
Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
- Water spray or fog.
- Foam.

FIRE FIGHTING
- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.

FIRE/EXPLOSION HAZARD
- Combustible.
- Slight fire hazard when exposed to heat or flame.
- Combustion products include: carbon dioxide (CO2), carbon monoxide (CO), nitrogen oxides (NOx), other pyrolysis products typical of burning organic material.
- May emit poisonous fumes.
- May emit corrosive fumes.

FIRE INCOMPATIBILITY
- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

HAZCHEM: None

PERSONAL PROTECTION
- Glasses: Safety Glasses.
- Gloves: When handling larger quantities: PVC chemical resistant type.
- Respirator: Type ANO Filter of sufficient capacity

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS
- Clean up all spills immediately.
- Avoid contact with skin and eyes.

MAJOR SPILLS
- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING
- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.

SUITABLE CONTAINER
- Packaging as recommended by manufacturer.

STORAGE INCOMPATIBILITY
- Avoid reaction with oxidising agents.

STORAGE REQUIREMENTS
- Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

<table>
<thead>
<tr>
<th>Source</th>
<th>Material</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia Exposure Standards</td>
<td>ethanol (Ethyl alcohol)</td>
<td>1000</td>
<td>1880</td>
</tr>
</tbody>
</table>

The following materials had no OELs on our records
- aspartame: CAS:22839-47-0 CAS:53906-69-7

continued...
PERSONAL PROTECTION

RESPIRATOR
Type ANO Filter of sufficient capacity

EYE
- Safety glasses.
- Safety glasses with side shields.

HANDS/FEET
- No special equipment needed when handling small quantities.
OTHERWISE: Wear general protective gloves, eg.

OTHER
- No special equipment needed when handling small quantities.
OTHERWISE:
- Overalls.
- Barrier cream.

ENGINEERING CONTROLS
- General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
Clear, blue-green gel with a pleasant odour; mixes with water.

PHYSICAL PROPERTIES
Liquid.
Mixes with water.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight: Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (water=1):</td>
<td>0.96</td>
</tr>
<tr>
<td>pH (1% solution): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate: 1.0 approx H20=1</td>
<td></td>
</tr>
<tr>
<td>Lower Explosive Limit (%): Not Available</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temp (°C): Not Available</td>
<td></td>
</tr>
<tr>
<td>Boiling Range (°C): 86.5</td>
<td></td>
</tr>
<tr>
<td>Solubility in water (g/L): Miscible</td>
<td></td>
</tr>
<tr>
<td>Vapour Pressure (kPa): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Relative Vapour Density (air=1): Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Upper Explosive Limit (%): Not Available</td>
<td></td>
</tr>
<tr>
<td>State: Gel</td>
<td></td>
</tr>
</tbody>
</table>

Melting Range (°C): Not Available
pH (as supplied): Not Applicable
Volatile Component (%vol): Not Applicable
Flash Point (°C): 72 (COC)
Autoignition Temp (°C): Not Available
Viscosity: Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY
- Elevated temperatures.
- Presence of open flame.
For incompatible materials - refer to Section 7 - Handling and Storage.

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS
ACUTE HEALTH EFFECTS
Not applicable.

CHRONIC HEALTH EFFECTS
Not applicable.

TOXICITY AND IRRITATION
Not available. Refer to individual constituents.

CARCINOGEN
Ethanol in alcoholic beverages
International Agency for Research on Cancer Group 1
(IARC) Carcinogens

continued...
Section 12 - ECOLOGICAL INFORMATION

No data

Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Persistence: Water/Soil</th>
<th>Persistence: Air</th>
<th>Bioaccumulation</th>
<th>Mobility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dentsply Sofscale Calculus Scaling Gel</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>ethanol</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>aspartame</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
</tbody>
</table>

Section 13 - DISPOSAL CONSIDERATIONS

- Consult manufacturer for recycling options and recycle where possible.
- Consult State Land Waste Management Authority for disposal.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None (ADG7)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADG7, UN, IATA, IMDG

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None

REGULATIONS

Regulations for ingredients

ethanol (CAS: 64-17-5) is found on the following regulatory lists:
- "Australia Exposure Standards"
- "Australia Hazardous Substances"
- "Australia High Volume Industrial Chemical List (HVICL)"
- "Australia Illicit Drug Reagents/Essential Chemicals - Category III"
- "Australia Inventory of Chemical Substances (AICS)"
- "Australia National Pollutant Inventory"
- "Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDPS) - Appendix B (Part 3)"
- "Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDPS) - Schedule 5"
- "IMO IBC Code Chapter 18: List of products to which the Code does not apply"
- "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances"
- "IMO Provisional Categorization of Liquid Substances - List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO"
- "International Agency for Research on Cancer (IARC) Carcinogens"
- "International Council of Chemical Associations (ICCA) - High Production Volume List"
- "OECD Representative List of High Production Volume (HPV) Chemicals"

aspartame (CAS: 22839-47-0, 53906-69-7) is found on the following regulatory lists:
- "Australia Inventory of Chemical Substances (AICS)"
- "OECD Representative List of High Production Volume (HPV) Chemicals"

No data for Dentsply Sofscale Calculus Scaling Gel (CW: 4620-61)

Section 16 - OTHER INFORMATION

INGREDIENTS WITH MULTIPLE CAS NUMBERS

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>aspartame</td>
<td>22839-47-0, 53906-69-7</td>
</tr>
</tbody>
</table>

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references. A list of reference resources used to assist the committee may be found at: www.chemwatch.net/references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

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This is the end of the MSDS.