SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

DENTURE ADHESIVE CREAM

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Cosmetic Product

Uses advised against

No other uses are advised.

1.3. Details of the supplier of the safety data sheet

GlaxoSmithKline UK
980 Great West Road
Brentford, Middlesex TW8 9GS  UK

UK General Information (normal business hours):  +44-20-8047-5000

Email Address:  msds@gsk.com

Website:  www.gsk.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Classification according to Regulation (EC) No 1272/2008 as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.3. Other hazards

Assume that this product is capable of sustaining combustion.

See section 11 for additional information on health hazards.
### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**General information**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>INDEX No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHARMACEUTICAL GRADE PETROLATUM</td>
<td>25.0 - 30.0</td>
<td>8009-03-8</td>
<td>232-373-2</td>
<td>-</td>
<td>649-254-00-X</td>
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<tr>
<td>DSD:</td>
<td>-</td>
<td></td>
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<td>N</td>
<td></td>
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<tr>
<td>CLP:</td>
<td>-</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>LIGHT MINERAL OIL</td>
<td>15.0 - 30.0</td>
<td>8042-47-5</td>
<td>232-455-8</td>
<td>-</td>
<td>-</td>
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<tr>
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<td>-</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SODIUM CARBOXYMETHYLCELLULOSE</td>
<td>0 - 34.0</td>
<td>9004-32-4</td>
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<td>N</td>
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<tr>
<td>CLP:</td>
<td>-</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>MALEIC ACID, POLYMER WITH METHYL VINYL ETHER</td>
<td>0 - 30.0</td>
<td>25153-40-6</td>
<td>-</td>
<td>-</td>
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<td>CLP:</td>
<td>-</td>
<td></td>
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<tr>
<td>METHYL VINYL ETHER-MALEIC ANHYDRIDE COPOLYMER</td>
<td>0 - 30.0</td>
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<tr>
<td>CLP:</td>
<td>-</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CARBOXYMETHYLCELLULOSE</td>
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<td>-</td>
<td>-</td>
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<td>N</td>
<td></td>
</tr>
<tr>
<td>CLP:</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OIL OF SPEARMINT</td>
<td>0 - 1.0</td>
<td>8008-79-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Classification:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSD:</td>
<td>R10, Xn;R22-65, Xi;R36/38, R43, N,R51/53</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLP:</td>
<td>Flam. Liq. 3;H226, Acute Tox. 4;H302, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td>0 - &lt;7.0</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**List of abbreviations and symbols that may be used above**

- **CLP**: Regulation No. 1272/2008.
- **DSD**: Directive 67/548/EEC.
- **M**: M-factor
- **vPvB**: very persistent and very bioaccumulative substance.
- **PBT**: persistent, bioaccumulative and toxic substance.
- **#: This substance has been assigned Community workplace exposure limit(s).**

### SECTION 4: First aid measures

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**4.1. Description of first aid measures**

- **Inhalation**: Move to fresh air. Call a physician if symptoms develop or persist.
- **Skin contact**: Wash off with soap and water. Get medical attention if irritation develops and persists.
- **Eye contact**: Rinse with water. Get medical attention if irritation develops and persists.
Ingestion
Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs.

4.2. Most important symptoms and effects, both acute and delayed
Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures
General fire hazards
Assume that this product is capable of sustaining combustion.

5.1. Extinguishing media
Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters
Special protective equipment for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures
In the event of fire, cool tanks with water spray. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Specific methods
Move containers from fire area if you can do so without risk.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Keep unnecessary personnel away. For personal protection, see section 8.

For emergency responders
Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up
Dike far ahead of spill for later disposal. Use water spray to reduce vapours or divert vapour cloud drift. Following product recovery, flush area with water.

6.4. Reference to other sections
For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from heat and sources of ignition. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)
Cosmetic Product

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Occupational exposure limits

<table>
<thead>
<tr>
<th>GSK Components</th>
<th>Type</th>
<th>Value</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)</td>
<td>OHC</td>
<td>1</td>
<td>1000-5000 mcg/m3</td>
</tr>
<tr>
<td>GANTREZ-77 (DOUBLE SALT) (CAS 62386-95-2)</td>
<td>OHC</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures
Follow standard monitoring procedures.

Derived no-effect level (DNEL)
Not available.

Predicted no effect concentrations (PNECs)
Not available.

8.2. Exposure controls
Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Chemical goggles are recommended. (eg. EN 166)

Skin protection

For prolonged or repeated skin contact use suitable protective gloves. With respect to the above precautions select suitable chemical resistant protective gloves (EN 374) with a protective index 6 (>480min permeation time).

- Hand protection

Wear suitable protective clothing. (EN 14605 for splashes, EN ISO 13982 for dust)

- Other

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Where breathable aerosols/dust are formed, use suitable combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (eg. EN 14387).

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid.
Form: Cream.
Colour: Not available.
Odour: Not available.
Odour threshold: Not available.
PH: Not available.
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not available.
Flash point: Not available.
Evaporation rate: Not available.
Flammability (solid, gas): Not available.
Upper/lower flammability or explosive limits

Flammability limit - lower (%): Not available.
Flammability limit - upper (%): Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: Not available.
Solubility(ies)

Solubility (water): Not available.
Solubility (other): Not available.
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not available.
Explosive properties: Not available.
Oxidizing properties: Not available.

9.2. Other information

No relevant additional information available.
SECTION 10: Stability and reactivity

10.1. Reactivity
Not available.

10.2. Chemical stability
Material is stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid
Contact with incompatible materials.

10.5. Incompatible materials
Strong oxidising agents.

10.6. Hazardous decomposition products
Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

SECTION 11: Toxicological information

General information
Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation
Prolonged inhalation may be harmful.

Skin contact
Not available.

Eye contact
Direct contact with eyes may cause temporary irritation.

Ingestion
Expected to be a low ingestion hazard.

Symptoms
Direct contact with eyes may cause temporary irritation.

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td>LIGHT MINERAL OIL (CAS 8042-47-5)</td>
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<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td>OIL OF SPEARMINT (CAS 8008-79-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td>PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td>Chronic</td>
<td>Oral</td>
<td>Rat</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation
Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

Respiratory sensitisation
Not available.

Skin sensitisation
This product is not expected to cause skin sensitisation.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

PHARMACEUTICAL GRADE PETROLATUM >= 3000 mg/kg/day 2 year bioassay, oral administration
Result: NOAEL
Species: Rat
Dermal application
Result: negative
Species: Mouse

IARC Monographs. Overall Evaluation of Carcinogenicity
LIGHT MINERAL OIL (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure

Due to partial or complete lack of data the classification is not possible.

Aspiration hazard

Not likely, due to the form of the product.

Mixture versus substance information

No information available.

Other information

Not available.

SECTION 12: Ecological information

12.1. Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBOXYMETHYLCELLULOSE (CAS 9000-11-7)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>IC50 Activated sludge &gt; 1000 mg/l, 3 hours</td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50 Water flea (Daphnia magna) &gt; 100 mg/l, 48 hours Static test</td>
</tr>
<tr>
<td>Fish</td>
<td>EC50 Rainbow trout (Adult Oncorhyncus mykiss) &gt; 20000 mg/l, 96 hours Static test</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SODIUM CARBOXYMETHYL CELLULOSE (CAS 9004-32-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Crustacea</td>
</tr>
<tr>
<td>Fish</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability

Photolysis

<table>
<thead>
<tr>
<th>Half-life (Photolysis-atmospheric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIGHT MINERAL OIL</td>
</tr>
</tbody>
</table>

Biodegradability

<table>
<thead>
<tr>
<th>Percent degradation (Aerobic biodegradation-inherent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBOXYMETHYLCELLULOSE</td>
</tr>
<tr>
<td>SODIUM CARBOXYMETHYL CELLULOSE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Percent degradation (Aerobic biodegradation-ready)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIGHT MINERAL OIL</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

Not available.

Partition coefficient

n-octanol/water (log Kow)

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Not available.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information
Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions
Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

SECTION 15: Regulatory information

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

EU regulations
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I
  - Not listed.
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II
  - Not listed.
  - Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
  - Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
  - Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
  - Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
  - Not listed.
- Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry
  - Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
  - Not listed.

Authorisations
- Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
  - Not listed.

Restrictions on use
- Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
  - PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)
- Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
  - PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)
- Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding
  - PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)

Other EU regulations
- Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
  - Not listed.
- Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
  - PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)
- Directive 94/33/EC on the protection of young people at work
  - PHARMACEUTICAL GRADE PETROLATUM (CAS 8009-03-8)

Other regulations
The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations
Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations
Not available.

References
GSK Hazard Determination

Information on evaluation method leading to the classification of mixture
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15
R10 Flammable.
R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Revision information
Product and Company Identification: Synonyms

Training information
Follow training instructions when handling this material.

Disclaimer
The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.