SAFETY DATA SHEET

1. Identification

Product identifier
PARODONTAX / CORSODYL TOOTHPASTE

Other means of identification
PARODONTAX RED * PARODONTAX GREEN * PARODONTAX CLASSIC * PARODONTAX DAILY FLUORIDE TOOTHPASTE * PARODONTAX FLUORIDE, 923 PPM * PARODONTAX EXTRA FRESH * PARODONTAX EXTRA FRESH, 923 PPM (PROJECT CRIMSON) * PARODONTAX EXTRA FRESH EXTRA FRESH TOOTHPASTE 1400 PPM * PARODONTAX-F GEL * CORSODYL-F TOOTHPASTE (1400PPM FLUORIDE) * PARODONTAX FLUORIDE * PARODONTAX FOR HEALTHY GUMS * PARODONTAX FOR HEALTHGUMS AND TEETH * PARODONTAX GELS * PARODONTAX HERBAL * PARODONTAX HERBAL TOOTHPASTE FLUORIDE * PARODONTAX JAPAN GUMTECT WHITENING AND BASE * PARODONTAX JAPAN GUMTECT WHITENING HIGHER XANTHAN GUM LEVEL * PARODONTAX MINT GEL * PARODONTAX ORIGINAL * PARODONTAX PROFESSIONAL GUM CARE TOOTHPASTE * PARODONTAX PROFESSIONAL GUM CARE TOOTHPASTE EXTRA FRESH * PARODONTAX TOOTHPASTE CHINA (PROJECT DRAGON) * PARODONTAX WHITENING TOOTHPASTE 1426 PPM FLUORIDE (CHINA) * PARODONTAX TOOTHPASTE WITH / WITHOUT TITANIUM DIOXIDE * PARODONTAX WHITENING * PARODONTAX WHITENING TOOTHPASTE * PARODONTAX WHITENING, 923 PPM (PROJECT CRIMSON) * PARODONTAX WHITENING TOOTHPASTE 1400 PPM (PROJECT CRIMSON) * CORSODYL WHITENING TOOTHPASTE (1400PPM FLUORIDE) * PARODONTAX JAPAN KAMUTECT EXTRA FRESH * PARODONTAX TOOTHPASTE INDIA (927PPM FLUORIDE) * PARODONTAX-F TOOTHPASTE * ULTRA CLEAN PARODONTAX TOOTHPASTE, HERB FREE * ULTRA CLEAN PARODONTAX TOOTHPASTE * PARODONTAX CLEAN MINT * FORMULATION CODE: IB1575, IB2007, IB2028, IB2108 * MFC00305 * MFC03404 * MFC03812 * MFC03818 * MFC03820 * MFC03894 * MFC04092 * MFC04093 * MFC04174 * MFC04175 * MFC04176 * MFC04177 * MFC04178 * MFC04179 * MFC04180 * MFC04181 * MFC04182 * MFC04183 * MFC04210 * MFC04212 * MFC04244 * MFC04245 * MFC04326 * MFC04414 * MFC04444 * MFC04444 * MFC04482 * MFC04496 * MFC04609 * MFC04610 * MFC04645 * MFC04646 * MFC04647 * MFC04677 * MFC04722 * MFC04728 * MFC10581 * MFC20014 * MFC20024 * MMI NO: 0488 * SODIUM FLUORIDE, FORMULATED PRODUCT

Synonyms

127791    Version #: 18    Revision date: 07-14-2016    Issue date: 09-23-2013

2. Hazard(s) identification

Recommended use
Oral Care

Recommended restrictions
No other uses are advised.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer
GlaxoSmithKline US
5 Moore Drive
Research Triangle Park, NC 27709 USA
US General Information (normal business hours): +1-888-825-5249

Email Address: msds@gsk.com
Website: www.gsk.com

EMERGENCY PHONE NUMBERS - TRANSPORT EMERGENCIES:
US / International toll call +1 703 527 3887
available 24 hrs/7 days; multi-language response

2. Hazard(s) identification

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

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

Hazard(s) not otherwise classified (HNOC)
Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.
### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM BICARBONATE</td>
<td>BAKING SODA, BICARBONATE OF SODA, CARBONIC ACID MONOSODIUM SALT, CARBONIC ACID SODIUM SALT (1:1), MONOSODIUM CARBONATE, MONOSODIUM HYDROGEN CARBONATE, RTECS VZ0950000, SODIUM ACID CARBONATE, SODIUM HYDROGEN CARBONATE</td>
<td>144-55-8</td>
<td>60 - 70</td>
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<td>GLYCERIN</td>
<td>GLYCEROL, GLYCERIN ANHYDROUS, GLYCERINE, GLYCERITOL, GLYCYNOL 1,2,3-PROPYANETRIOL, PROPANETRIOL, GLYROL, GLYSANIN, TRIHYDROXYPROPANE, 1,2,3-TRIHYDROXYPROPANE, OSMOGLYN</td>
<td>56-81-5</td>
<td>5.0 - &lt; 15.0</td>
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<tr>
<td>COCOAMIDOPROPYL BETAIN</td>
<td>COCOAMIDO BETAINE, N-(COCOALKYL) AMIDO PROPYL DIMETHYL BETAINE, COCONUT OIL AMIDOPROPYL BETAIN</td>
<td>61789-40-0</td>
<td>0 - 5</td>
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<tr>
<td>SILICA, AMORPHOUS HYDRATED</td>
<td>SILICON DIOXIDE HYDRATE, SILICA, HYDRATE, HYDRATED AMORPHOUS SILICA, Zeodent 113, Zeodent 153</td>
<td>10279-57-9</td>
<td>0 - 5</td>
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<tr>
<td>PUMA WHIZZLE FLAVOUR</td>
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<td></td>
<td>0 - &lt; 2.5</td>
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<tr>
<td>MINT FLAVOUR</td>
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<td>Unassigned</td>
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<tr>
<td>WHITE FREEZE FLAVOR 509245 T</td>
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<td>0 - &lt; 1.5</td>
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<tr>
<td>OPTAMINT SHINE MINT (SYMRISE)</td>
<td>OPTAMINT SHINE MINT FRAGRANCE MIX MATERIAL NUMBER 949200</td>
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<td>CORNMINT OIL TERPENELESS</td>
<td>OIL OF PEPPERMINT, ESSENTIAL PEPPERMINT OIL, PEPPERMINT LEAF OIL, PEPPERMINT TERPENES</td>
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<td>PEPPERMINT OIL</td>
<td>OIL OF PEPPERMINT, ESSENTIAL PEPPERMINT OIL, PEPPERMINT LEAF OIL, PEPPERMINT TERPENES</td>
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<td>0 - &lt; =1</td>
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<tr>
<td>XANTHAN GUM</td>
<td>ACTITGUM CX 9, BIOPOLYMER XB-23, XANTHAN GUM, BIOZAN R, ENORFLO X, FLOCON 1035, GALAXY XB, KELFLO, KELTROL (GUM), KELZAN, KENTROL, POLYSACCHARIDE B 1459, RHODOPOL 23, XANFLOOD, XANTHOMONAS GUM</td>
<td>11138-66-2</td>
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<td>OPTAMINT POLAR FROST 822121</td>
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<tr>
<td>SODIUM FLUORIDE</td>
<td>SODIUM MONOFUORIDE, NATURAL VILLIAUMITE</td>
<td>7681-49-4</td>
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Material name: PARODONTAX / CORSODYL TOOTHPASTE
127791 Version #: 18 Revision date: 07-14-2016 Issue date: 09-23-2013 SDS US 2 / 13
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
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<tbody>
<tr>
<td>TITANIUM DIOXIDE</td>
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<td>ISOPROPYL METHYL PHENOL</td>
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<td>O-CYMEN-5-OL</td>
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<td>4-i-ISOPROPYL-M-CRESOL</td>
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<td>FERRIC OXIDE (SICOVIT RED 30)</td>
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<td>FERRIC OXIDE</td>
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<td>JEWELER’S ROUGE</td>
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<td>GAMMA-FERRIC OXIDE</td>
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<td>Fe2O3</td>
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<td>RTECS NO7400000</td>
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</tr>
</tbody>
</table>

Other components below reportable levels
10 - < 20

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

- **Inhalation**: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- **Skin contact**: Wash with plenty of 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**: Call a POISON CENTER or doctor/physician if you feel unwell.
- **Most important symptoms/effects, acute and delayed**: Direct contact with eyes may cause temporary irritation.
- **Indication of immediate medical attention and special treatment needed**: Provide general supportive measures and treat symptomatically.
- **General information**: If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire-fighting measures

- **Suitable extinguishing media**: Water. Foam. Dry chemical powder. Carbon dioxide (CO2).
- **Unsuitable extinguishing media**: None known.
- **Specific hazards arising from the chemical**: During fire, gases hazardous to health may be formed.
Wear suitable protective equipment.

Special protective equipment and precautions for firefighters
Use standard firefighting procedures and consider the hazards of other involved materials.

Fire fighting equipment/instructions
Not established.

Specific methods
This product is non-flammable.

General fire hazards
6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch or walk through spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up
Stop the flow of material, if this is without risk. Collect spillage. Do not allow material to contaminate ground water system. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

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

7. Handling and storage

Precautions for safe handling
Wear personal protective equipment. Observe good industrial hygiene practices. No special control measures required for the normal handling of this product. Normal room ventilation is expected to be adequate for routine handling of this product.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Room temperature - normal conditions.

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)</td>
<td>OHC</td>
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<td>PROVISIONAL</td>
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<tr>
<td>ISOPROPYL METHYLPHENOLOL (CAS 3228-02-2)</td>
<td>OHC</td>
<td>3</td>
<td>&gt;10 - &lt;=100 mcg/m3 PROVISIONAL</td>
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<tr>
<td>RED COLORANT (CAS 1309-37-1)</td>
<td>OHC</td>
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<tr>
<td>SODIUM BICARBONATE (CAS 144-55-8)</td>
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<tr>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</td>
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<tr>
<td>Component</td>
<td>Type</td>
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<tr>
<td>FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)</td>
<td>PEL</td>
<td>10 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td>GLYCERIN (CAS 56-81-5)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>RED COLORANT (CAS 1309-37-1)</td>
<td>PEL</td>
<td>10 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td>SODIUM FLUORIDE (CAS 7681-49-4)</td>
<td>PEL</td>
<td>2.5 mg/m3</td>
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<tr>
<td>TITANIUM DIOXIDE (CAS 13463-67-7)</td>
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<td>Total dust.</td>
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<tr>
<td>SODIUM FLUORIDE (CAS 7681-49-4)</td>
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<td>Dust.</td>
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<td>US. OSHA Table Z-3 (29 CFR 1910.1000)</td>
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<tr>
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<tr>
<td>SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)</td>
<td>TWA</td>
<td>0.8 mg/m3</td>
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### US. OSHA Table Z-3 (29 CFR 1910.1000)

<table>
<thead>
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<tr>
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<td>20 millions of particle</td>
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### US. ACGIH Threshold Limit Values

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<tbody>
<tr>
<td>FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
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<td>RED COLORANT (CAS 1309-37-1)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
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<tr>
<td>SODIUM FLUORIDE (CAS 7681-49-4)</td>
<td>TWA</td>
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<tr>
<td>TITANIUM DIOXIDE (CAS 13463-67-7)</td>
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<td>10 mg/m³</td>
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</table>

### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
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<tr>
<td>FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Dust and fume.</td>
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<tr>
<td>RED COLORANT (CAS 1309-37-1)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Dust and fume.</td>
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### Biological limit values

<table>
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<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
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</thead>
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<td>SODIUM FLUORIDE (CAS 7681-49-4)</td>
<td>3 mg/l</td>
<td>Fluoride</td>
<td>Urine</td>
<td>*</td>
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<tr>
<td></td>
<td>2 mg/l</td>
<td>Fluoride</td>
<td>Urine</td>
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</table>

* - For sampling details, please see the source document.

### Appropriate engineering controls

No special ventilation requirements.

### Individual protection measures, such as personal protective equipment

- **Eye/face protection**
  - Do not get in eyes. Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended.

- **Skin protection**
  - **Hand protection**: Use personal protective equipment as required.
  - **Other**: No special protective equipment required. Use personal protective equipment as required.

- **Respiratory protection**
  - Use personal protective equipment as required. No personal respiratory protective equipment normally required.

- **Thermal hazards**
  - Not available.

### General hygiene considerations

Wash hands before breaks and immediately after handling the product.

### 9. Physical and chemical properties

#### Appearance

- **Physical state**: Solid.
- **Form**: Solid Paste.
- **Color**: Not available.
- **Odor**: Not available.
- **Odor threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: Not available.
Initial boiling point and boiling range
Not available.

Flash point
Expected to be non-flammable based on components present.

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.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Not available.

Vapor density
Not available.

Relative density
Not available.

Solubility(ies)
Solubility (water)
Not available.

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.

Other information
Explosive properties
Not explosive.

Oxidizing properties
Not oxidizing.

10. Stability and reactivity
Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

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

Conditions to avoid
None under normal conditions.

Incompatible materials
Not available.

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

11. Toxicological information
Information on likely routes of exposure

Inhalation
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact
Health injuries are not known or expected under normal use.

Eye contact
Direct contact with eyes may cause temporary irritation.

Ingestion
Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics
Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity
Health injuries are not known or expected under normal use.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
</tr>
</tbody>
</table>

Material name: PARODONTAX / CORSODYL TOOTHPASTE
127791 Version #: 18 Revision date: 07-14-2016 Issue date: 09-23-2013
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCERIN (CAS 56-81-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Oral</td>
<td>LD50 Rat</td>
</tr>
<tr>
<td>ISOPROPYL METHYLPHENOL (CAS 3228-02-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Oral</td>
<td>LD50 Mouse</td>
</tr>
<tr>
<td>PEPPERMINT OIL (CAS 8006-90-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Oral</td>
<td>LD50 Rat</td>
</tr>
<tr>
<td>SODIUM BICARBONATE (CAS 144-55-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Oral</td>
<td>LD50 Rat</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Inhalation</td>
<td>LC50 Rat</td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Oral</td>
<td>LD50 Rat</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td>Inhalation</td>
<td>LOEC Rat</td>
</tr>
<tr>
<td></td>
<td>NOAEC Rat</td>
<td>250 mg/m3, 2 years Highest dose</td>
</tr>
<tr>
<td></td>
<td>NOAEC Guinea pig</td>
<td>5 mg/m3, 24 months</td>
</tr>
<tr>
<td><strong>Subacute</strong></td>
<td>Inhalation</td>
<td>LOEL Rat</td>
</tr>
<tr>
<td></td>
<td>NOAEC</td>
<td>26 mg/m3, 3 weeks No evidence of significant inflammation in respiratory tract.</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>NOAEL Rat</td>
<td>100000 ppm, 14 Day Dietary study, highest dose tested.</td>
</tr>
<tr>
<td><strong>Subchronic</strong></td>
<td>Inhalation</td>
<td>LOEC Rat</td>
</tr>
<tr>
<td>XANTHAN GUM (CAS 11138-66-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td>Inhalation</td>
<td>LC50 Rat</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>LD50 Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.
Skin corrosion/irritation

Health injuries are not known or expected under normal use.

Corrosivity

PEPPERMINT OIL

Literature search
Result: Positive

Irritation Corrosion - Skin

TITANIUM DIOXIDE

0, Literature data
Result: Non-irritant
Species: Guinea pig

0, Literature data
Result: Non-irritant
Species: Human

Acute dermal irritation; OECD 404, Literature data
Result: Non-irritant
Species: Rabbit

Serious eye damage/eye irritation

May be irritating to eyes. Direct contact with eyes may cause temporary irritation.

Eye

PEPPERMINT OIL

Literature search
Result: Mild/moderate Irritant

TITANIUM DIOXIDE

OECD 405, Literature data
Result: Mild irritant
Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitization

Not available.

Skin sensitization

Health injuries are not known or expected under normal use.

Sensitization

TITANIUM DIOXIDE

5 % Optimisation Test, Literature data - Vehicle: petrolatum
Result: Negative
Species: Guinea pig
Test Duration: 48 hour exposure

PEPPERMINT OIL

Literature search
Result: Positive

ISOPROPYL METHYLPHENOL

Maximisation assay (Magnusson and Kligman), 50% response rate
Result: Positive
Species: Guinea pig

TITANIUM DIOXIDE

Patch test, Literature data
Result: Negative
Species: Human

Germ cell mutagenicity

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

Mutagenicity

TITANIUM DIOXIDE

Ames, Literature data
Result: Negative

Micronucleus Assay in vitro, CHO cells, Literature data
Result: Negative

Micronucleus Assay in vitro, cultured human peripheral lymphocytes, Literature data
Result: Positive

ISOPROPYL METHYLPHENOL

SAR / QSAR, DEREK, Lhasa, UK
Result: Plausible (chromosome damage)

TITANIUM DIOXIDE

Syrian Hamster Embryo (SHE) cell transformation assay
Result: Negative

WIL2-NS HPRT/ t-Thioguanine - Human B-Cell lymphoblastoid, Literature data
Result: Positive

Carcinogenicity

Health injuries are not known or expected under normal use. Risk of cancer cannot be excluded with prolonged exposure. Titanium Dioxide produced carcinogenic effects in a lifetime study in mice. High concentrations or doses administered over an extended period of time were required to produce adverse effects.

TITANIUM DIOXIDE

0.5 mg/m3, Literature data
Result: Negative
Species: Rat
Test Duration: 24 months
Carcinogenicity

**TITANIUM DIOXIDE** 0.72 - 14.8 mg/m³, Literature data

*Result: Negative*

*Species: Mouse*

10 - 250 mg/m³, Dietary study - Literature data.

*Result: Inflammation at all doses with alveolar/bronchiolar adenoma at the highest concentration.*

*Species: Rat*

*Test Duration: 24 months*

25000 - 50000 ppm, Dietary study - Literature data.

*Result: Negative*

*Species: Mouse*

7.2 - 14.8 mg/m³, Literature data

*Result: Lung tumour*

*Species: Rat*

*Test Duration: 24 months*

**ISOPROPYL METHYLPHENOL**

SAR / QSAR, DEREK, Lhasa, UK

*Result: Negative*

**IARC Monographs. Overall Evaluation of Carcinogenicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td>RED COLORANT (CAS 1309-37-1)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td>SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td>SODIUM FLUORIDE (CAS 7681-49-4)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE (CAS 13463-67-7)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
</tbody>
</table>


Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**

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

**Specific target organ toxicity - single exposure**

None known.

**Specific target organ toxicity - repeated exposure**

None known.

**Aspiration hazard**

Not available.

**Further information**

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

12. Ecological information

**Ecotoxicity**

Contains a substance which causes risk of hazardous effects to the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>COCOAMIDOPROPYL BETAINE (CAS 61789-40-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50</td>
<td>Green algae (Scenedesmus subspicatus) 0.55 mg/l, 96 hours</td>
</tr>
<tr>
<td>NOEC</td>
<td>Green algae (Scenedesmus subspicatus) 0.09 mg/l, 96 hours</td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 6.5 mg/l, 48 hours</td>
</tr>
<tr>
<td>NOEC</td>
<td>Water flea (Daphnia magna) 1.6 mg/l, 48 hours</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>EC50</td>
<td>Zebra fish (Adult Brachydianio rerio) 2 mg/l, 96 hours semi-static test conditions</td>
</tr>
<tr>
<td>NOEC</td>
<td>Zebra fish (Adult Brachydianio rerio) 1.7 mg/l, 96 hours semi-static test conditions</td>
<td></td>
</tr>
<tr>
<td>Microtox</td>
<td>MIC</td>
<td>Pseudomonas &gt; 3000 mg/l, 16 hours</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test Results</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td>LOEC</td>
<td>Water flea (Daphnia magna)</td>
</tr>
<tr>
<td>Crustacea</td>
<td>NOEC</td>
<td>Water flea (Daphnia magna)</td>
</tr>
</tbody>
</table>

**ISOPROPYL METHYLPHENOL (CAS 3228-02-2)**

- **Acute**
  - IC50 | Activated sludge | 67 mg/l, 3 hours |
  - NOEC | Activated sludge | 12 mg/l, 3 hours |

**Aquatic**

- **Acute**
  - Crustacea | EC50 | Water flea (Daphnia magna) | 5.6 mg/l, 48 hours Static test |
  - NOEC | Water flea (Daphnia magna) | 1.8 mg/l Static test |

**RED COLORANT (CAS 1309-37-1)**

- **Aquatic**
  - **Acute**
    - Fish | EC50 | Golden ide/orfe (Adult Leuciscus idus) | > 1000 mg/l, 48 hours Static test |
  - Chronic | Other | EC50 | Bacteria | > 5000 mg/l, 24 hours |

**SODIUM BICARBONATE (CAS 144-55-8)**

- **Aquatic**
  - **Acute**
    - Algae | EC50 | Algae (Nitscheria linearis) | 650 mg/l, 5 days |
    - Crustacea | EC50 | Water flea (Daphnia magna) | 2350 mg/l, 48 hours Static test |
    - Fish | EC50 | Bluegill sunfish (Adult Lepomis macrochirus) | 8250 - 9000 mg/l, 96 hours Static test |
    - Other | EC50 | Mosquito fish (Adult Gambusia affinis) | 7550 mg/l, 96 hours Static test |

**SODIUM FLUORIDE (CAS 7681-49-4)**

- **Acute**
  - IC50 | Activated sludge | 2930 mg/L, 3 hours |

**TITANIUM DIOXIDE (CAS 13463-67-7)**

- **Aquatic**
  - **Acute**
    - Fish | LC50 | Mummichog (Fundulus heteroclitus) | > 1000 mg/l, 96 hours |
    - Crustacea | EC50 | Water flea (Daphnia magna) | > 1000 mg/l, 48 hours Static test |

**XANTHAN GUM (CAS 11138-66-2)**

- **Aquatic**
  - **Acute**
    - Fish | EC50 | Rainbow trout (Adult Oncorhyncus mykiss) | 420 mg/l, 96 hours Static test |

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

**Persistence and degradability**
Biodegradability

Percent degradation (Aerobic biodegradation-inherent)
COCOAMIDOPROPYL BETAINÉE 97 %, 28 days Modified Zahn-Wellens, DOC removal., Activated sludge
99 %, 28 days Modified Zahn-Wellens, DOC removal., Activated sludge

ISOPROPYL METHYLPHENOL 0 %, 28 days Modified MITI (II) Test., Activated sludge

Percent degradation (Aerobic biodegradation-ready)
COCOAMIDOPROPYL BETAINÉE 100 %, 20 Days Modified Sturm test., Activated sludge
84 %, 30 days Closed bottle test, Activated sludge

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)
GLYCERIN -1.76
ISOPROPYL METHYLPHENOL 3.35

Bioconcentration factor (BCF)
ISOPROPYL METHYLPHENOL 100 Calculated
SODIUM FLUORIDE 2.3 Measured

Mobility in soil Not available.
Mobility in general Not available.
Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. Dispose in accordance with all applicable regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code Not regulated.

Waste from residues / unused products 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.

14. Transport information

DOT Not regulated as a dangerous good.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) SODIUM FLUORIDE (CAS 7681-49-4) Listed.

SARA 304 Emergency release notification Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Not listed.

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.
Safe Drinking Water Act (SDWA)
FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
GLYCERIN (CAS 56-81-5) Other Flavoring Substances with OSHA PEL’s

US state regulations
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
TITANIUM DIOXIDE (CAS 13463-67-7)
US. Massachusetts RTK - Substance List
FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)
GLYCERIN (CAS 56-81-5)
RED COLORANT (CAS 1309-37-1)
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)
SODIUM FLUORIDE (CAS 7681-49-4)
TITANIUM DIOXIDE (CAS 13463-67-7)
US. New Jersey Worker and Community Right-to-Know Act
FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)
GLYCERIN (CAS 56-81-5)
RED COLORANT (CAS 1309-37-1)
SODIUM FLUORIDE (CAS 7681-49-4)
TITANIUM DIOXIDE (CAS 13463-67-7)
US. Pennsylvania Worker and Community Right-to-Know Law
FERRIC OXIDE (SICOVIT RED 30) CI 77491 (CAS 1309-37-1)
GLYCERIN (CAS 56-81-5)
RED COLORANT (CAS 1309-37-1)
SILICA, AMORPHOUS HYDRATED (CAS 10279-57-9)
SODIUM FLUORIDE (CAS 7681-49-4)
TITANIUM DIOXIDE (CAS 13463-67-7)
US. Rhode Island RTK
SODIUM FLUORIDE (CAS 7681-49-4)
US. California Proposition 65
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
TITANIUM DIOXIDE (CAS 13463-67-7) Listed: September 2, 2011

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
</tbody>
</table>

Material name: PARODONTAX / CORSODYL TOOTHPASTE
127791 Version #: 18 Revision date: 07-14-2016 Issue date: 09-23-2013

SDS US 12 / 13
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).*

### 16. Other information, including date of preparation or last revision

<table>
<thead>
<tr>
<th>Issue date</th>
<th>09-23-2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>07-14-2016</td>
</tr>
<tr>
<td>Version #</td>
<td>18</td>
</tr>
</tbody>
</table>

**HMIS® ratings**
- Health: 2* (Note: The asterisk indicates a specific rating level.)
- Flammability: 0
- Physical hazard: 0

**NFPA ratings**
- Health: 2
- Flammability: 0
- Instability: 0

**References**
- GSK Hazard Determination

**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.

**Revision information**
- Product and Company Identification: Synonyms
- Composition / Information on Ingredients: Ingredients