

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

072800464

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

071142389 071142397 071142447 071142595 071142678 71142389 71142397 71142447 71142595 71142678

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

070375030 070375048 070375055 070375063 070375071 070375089 070375097 070375105 070375113 070375121  
070375139 070375147 070375154 070375162 070375170 070375188 070375196 070375204 070375212 070375220  
070375238 070375246 070375253 070375261 070375279 070375287 070375295 070375303 070375311 070375329  
070375337 070423103 071070036 071070044 071070051 071070069 071070077 071070085 071070093 071070101  
071070119 071070127 071111343 072798106 072798171 072798189 072798502 072798510 072798528 072798536  
072798544 072798551 072798569 072798577 072798585 072798593 072798601 072798619 072798627 072798635  
072798643 072798650 072798668 072798676 072798684 072798692 072798700 072798726 072798734 072798742  
072798759 072798775 072798783 072798791 072798809 072798817 072798825 072798833 072798841 072798858  
072798866 072798874 072799708 072799716 072799724 072799732 072799740 072799757 072799765 072799773  
072799781 072799799 072799807 072799815 072799823 072799831 072799849 072799856 072800308 072800316  
072800324 072800332 072800340 072800357 072800365 072800373 072800381 072800399 072800407 072800415  
072800423 072800431 072800449 072800456 072800506 072800514 072800522 072800530 072800548 072800555  
072800563 072800571 072800589 072800597 072800605 072800613 072800654 072800688 072800696 072800704  
072800712 072800720 072800738 072800746 072800753 072800761 072800779 072800902 072800910 072800928  
072800936 072800944 072800951 072801009 072801017 072801025 072801033 072801041 072801058 072801108  
072801116 072801124 072801132 072801140 072801157 072801165 072801249 072802874 072802890 072802908  
072802916 072802924 072802932 072802940 072802965 072802973 072802981 072802999 072803005 072803013  
072803021 072803039 072803047 072803054 072803104 072803112 072803120 072803138 072803146 072803153  
072803161 072803179 072803187 072803203 072803211 072803229 072803237 072803245 072803252 072803260  
072803286 072803294 072803302 072803310 072803328 072803336 072803344 072803351 072803369 072803401

072803419 072803427 072803450 072803468 072803476 072803484 072803492 072803633 072803641 072803658  
072803666 072803674 072803682 072803690 072803708 072803716 072803724 072803732 072803740 072803757  
072803765 072803773 072803781 072803799 072803807 072803815 072803823 072803831 072803849 072803856  
072803864 072804045 072804052 072805042 072805059 072805067 072805075 072805083 072805091 072805109  
072805117 072805125 075930409 075930417 075930425 075930433 075930441 075930458 075930466 075930474  
075930482 075930490 076018774 076018782 076018790 076018808 076018816 076018824 076018832

# DIADENT GUTTA PERCHA

Root Canal Filling Material

# MATERIAL SAFETY DATA SHEET

## 1 IDENTIFICATION

**Manufactured For:** DiaDent Group Int'l. Inc.  
**Address:** 11- 3871 North Fraser Way  
**City, State, Zip:** Burnaby, BC, V5J 5G6  
**Telephone:** 604-451-8851  
**Emergency:** 1-877-342-3368  
**Date Prepared:** Aug 2, 2012

## 2 COMPOSITION INFORMATION

### Hazardous Ingredients

Gutta Percha Points contain no hazardous components as defined in the OSHA Hazard Communications Standard (29 CFR 1910.1200) in a form which presents a potential exposure when used according to directions.

### Other Ingredients

Trans-Polyisoprene (dry natural rubber), zinc oxide, barium sulphate and colorants

## 3 PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** N/E  
**Specific Gravity (H<sub>2</sub>O = 1):** N/D  
**Vapor Pressure (mm Hg):** N/A  
**Melting Point:** 150 ° C (Softens at about 60 ° C)  
**Vapor Density (Air = 1):** N/A  
**Solubility in Water:** Insoluble  
**Reactivity in Water:** N/A  
**Appearance and Odor:** Pink colored, odourless, waxy solid

## 4 FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Flammable Limits: LEL:** N/A **UEL:** N/A  
**Extinguishing Media:** N/A  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None

## 5 REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** None known  
**Incompatibility (Material to Avoid):** N/A  
**Hazardous Decomposition Products:** Carbon Monoxide, Carbon Dioxide, Hydrocarbons, Zinc  
**Hazardous Polymerization:** Will not occur

## 6 HEALTH HAZARD DATA

**Routes of Entry:** Inhalation, eye contact, skin contact.  
**Skin:** May cause irritation in sensitive individuals.  
**Eyes:** May cause mechanical irritation.  
**Inhalation:** Not likely to occur when used according to directions.  
**Ingestion:** Ingestion of small amounts of this material under normal circumstance would not cause serious harmful effects.  
**Carcinogenicity - IARC Monographs:** No **NTP:** No **OSHA:** Regulated  
**Carcinogen:** No

**Note:** This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communications Standard (29 CFR 1910.1200) and is to be used only for this product. The information in this MSDS is, to the best of our knowledge, believed to be accurate.

## 7 EMERGENCY FIRST AID PROCEDURES

**Skin:** Wash with soap and water.  
**Eyes:** Flush eyes with water for at least 15 minutes.  
**Inhalation:** This product is considered safe, when used according to directions.  
**Ingestions:** Ingestion of small amounts of this material under normal conditions would not cause serious harmful effects.

## 8 PRECAUTIONS FOR SAFE HANDLING & USE

**Steps to be taken in case material is released or spilled:** Sweep or wipe up with paper towels and dispose of in a suitable container.  
**Waste Disposal Method:** Dispose along with normal solid waste.  
**Precautions to be taken in handling and storing:** Store at normal room temperature (65 °F – 75 °F). Use according to directions.

## 9 CONTROL MEASURES

**Respiratory Protection (Specify Type):** Not needed  
**VENTILATION:**  
**Local Exhaust:** Not needed  
**Mechanical (General):** Should be sufficient  
**Protective Gloves:** Gloves  
**Eye Protection:** Safety glasses  
**Other Protective Clothing or Equipment:** N/A  
**Work/Hygiene Practices:** Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

## 10 TRANSPORTATION INFORMATION

Not DOT regulated

## 11 SPECIAL INFORMATION

**HMIS (Hazardous Material Identification System)**  
**Rating:** H1 F0 R0  
**[HMIS Index: 4 – Severe Hazard; 3 – Serious Hazard; 2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]**

Safety Data Sheet

## 1. Product &amp; Company Identification

**A. Product Name**

Gutta Percha Points

**B. Purpose of Use & Restrictions on Use**

Purpose of Use Filling root canals  
 Restrictions on Use For dental professionals only

**C. Company Information**

Company Name DiaDent Group International  
 Address 16 Osongsaengmyeong 4-ro, Osong-eup, Heungdeok-gu,  
 Cheongju-si, Chungcheongbuk-do, Republic of Korea  
 28161  
 Emergency Contact Number 82-43-266-2315

## 2. Hazard Identification

**A. GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2  
 Specific Target Organ Toxicity (Single Exposure): Category 3, Respiratory System

**B. GHS Label elements, including precautionary statements**

Pictograms



Signal Words

Caution

Hazard Statement(s)

H319 Causes severe eye irritation

Precautionary Statement(s)

Prevention

P264 Wash hands thoroughly after handling the product.  
 P280 Wear protective gloves/protective clothing/eye  
 protection/face protection.

Response

P304 + P340 IF INHALED: Remove victim to fresh air and keep  
 at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for  
 several minutes. Remove contact lenses, if present and easy  
 to do. Continue rinsing.  
 P312 Call a POISON CENTER or doctor/physician if you feel  
 unwell.  
 P337 + P313 If eye irritation persists: Get medical  
 advice/attention.

|          |  |
|----------|--|
| Storage  | P403 + P233 Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | P501 Dispose of contents/container according to the related regulations.     |

### C. Other hazards (according to the NFPA Rating System)

|            |   |
|------------|---|
| Health     | 1 |
| Fire       | 1 |
| Reactivity | 0 |

### 3. Composition & Information on Ingredients

| Chemical Identity | Common Name                      | CAS No.   | % Volume |
|-------------------|----------------------------------|-----------|----------|
| ZINC OXIDE        | ZINC WHITE                       | 1314-13-2 | 66       |
| BaSO4             | SULFURIC ACID, BARIUM SALT (1:1) | 7727-43-7 | 11       |
| Stearic Acid      | 1-HEPTADECANECARBOXYLIC ACID     | 57-11-4   | 3        |
| Gutta Percha      | -                                | -         | 20       |

### 4. First Aid Measures

|                               |  |
|-------------------------------|--|
| <b>A. Eyes</b>                | Get medical aid immediately if discomfort or irritation persists.  |
| <b>B. Skin</b>                | Consult a physician immediately if you feel discomfort.  |
| <b>C. Inhalation</b>          | Remove patient from exposure to fresh air immediately.<br>Administer approved oxygen supply if breathing is difficult and get medical aid immediately. |
| <b>D. Ingestion</b>           | Seek immediate medical help.   |
| <b>E. Notes to Physicians</b> | Have a comprehensive understanding on the chemical and treat symptomatically.  |

### 5. Firefighting Measures

#### A. Appropriate Extinguishing Media

To extinguish a fire caused by or related to this chemical, use alcohol-resistant foam, Carbon Dioxide (CO<sub>2</sub>), or water spray. Use dry sand or soil to smother the fire.

#### B. Specific hazard arising from the chemical

Smoke (fumes) can be produced due to pyrolysis or combustion process.

#### C. Special Protective Equipment & Precautions for Firefighters

Fire-fighters should wear appropriate protective equipment. Stay a safe distance away from the fire while extinguishing. If not dangerous, remove the container from the fire. To dispose of fire water, pour it into a spacious dug lot and make sure it is not spilled or scattered outward. If not dangerous, remove the container from the fire.

## 6. Accidental Release Measures

### A. Protective equipment & Emergency procedures

Give special attention to chemical materials and conditions that must be avoided.

### B. Environmental precautions

Prevent the inflow of this product to waterways, drains, basements, and confined spaces.

### C. Purification / Removal Method

Dispose of the product as medical waste.

## 7. Handling & Storage

### A. Safe handling

Follow all prevention measures on the SDS/labels. Handle and store with care.

Give special attention to chemical materials and conditions that must be avoided.

Wear personal protective equipment while handling the product.

### B. Conditions for Safe Storage

Keep away from humidity.

## 8. Exposure control & Personal protection

### A. Exposure Limits for Chemical Substances & Biological Exposure Limits

N/A

### B. System Design (Proper Engineering Controls)

N/A

### C. Personal protective equipment

Respiratory protection

N/A

Eye protection

N/A

Hand protection

N/A

Skin & body protection

N/A

## 9. Physical & Chemical Properties

### A. Appearance

Physical state

Solid (conical shape)

Color

Pink

### B. Odor

N/A

### C. Odor threshold value

N/A

### D. pH

N/A

### E. Melting point/Freezing point

N/A

### F. Initial boiling point & Boiling range

N/A

### G. Flash point

N/A

### H. Evaporation rate

N/A

### I. Flammability (solid, gas)

N/A

### J. Maximum / minimum of the flammable or explosive limits

N/A

### K. Vapor pressure

N/A

### L. Solubility

100 °C

### M. Vapor density

N/A

### N. Relative density

2.7 g/cm<sup>3</sup>

### O. Partition coefficient: n-Octanol/water

N/A

### P. Autoignition temperature

N/A

### Q. Decomposition temperature

N/A

### R. Viscosity

N/A

### S. Molecular mass

N/A

## 10. Stability & Reactivity

|   |   |
|---|---|
| <b>A. Chemical stability &amp; Possibility of hazardous reactions</b> | N/A   |
| <b>B. Conditions to avoid</b>   | Direct light, excessive heat, and moisture                            |
| <b>C. Incompatible materials</b>                                      | Inflammable Materials & Reducing Materials                            |
| <b>D. Hazardous decomposition or byproduct</b>                        | Smoke (fumes) can be produced due to pyrolysis or combustion process. |

## 11. Toxicological Information

|   |  |
|---|--|
| <b>A. Possible routes of exposure</b>   | N/A  |
| <b>B. Information on harmful health effects</b><br>(Symptoms related to the physical, chemical and toxicological characteristics) |  |
| Acute toxicity  |  |
| Oral  | N/A  |
| Dermal  | N/A  |
| Inhalation  | N/A  |
| Skin corrosion/Irritation   | N/A  |
| Serious Eyes damage/Irritation  | May cause irritation to the eyes               |
| Respiratory sensitization   | N/A  |
| Skin sensitization  | N/A  |
| Carcinogenicity   |  |
| Industrial Safety and Health Act  | N/A  |
| Notification of the Ministry of Employment and Labor  | N/A  |
| IARC  | N/A  |
| OSHA  | N/A  |
| ACGIH   | N/A  |
| NTP   | N/A  |
| EU CLP  | N/A  |
| Germ cell mutagenicity  | N/A  |
| Reproductive Toxicity   | N/A  |
| Specific Target Organ Toxicity (Single Exposure)  | Inhalation causes respiratory tract irritation |
| Specific Target Organ Toxicity (Repeated Exposure)  | N/A  |
| Aspiration Toxicity   | N/A  |

## 12. Ecological information

|   |     |
|---|-----|
| <b>A. Ecotoxicity</b>                     |     |
| Fish                                      | N/A |
| Shellfish                                 | N/A |
| Birds                                     | N/A |
| <b>B. Persistence &amp; Degradability</b> |     |
| Persistence                               | N/A |
| Degradability                             | N/A |
| <b>C. Bioaccumulative potential</b>       |     |
| Accumulation                              | N/A |
| Biodegradability                          | N/A |
| <b>D. Mobility in soil</b>                | N/A |
| <b>E. Other adverse effects</b>           | N/A |

### 13. Disposal Considerations

#### A. Product Disposal

If stated in the Wastes Control Act, dispose of the contents and container accordingly.

#### B. Precautions for Disposal

Dispose of the content according to the related regulations.

### 14. Transport Information

#### A. UN No.

Classification information on transportation of hazardous materials not available

#### B. Proper shipping name

N/A

#### C. Hazard class

N/A

#### D. Packing Group

N/A

#### E. Marine pollutant

N/A

**F. Any special precautions which an user should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises (Special precautions which a user needs to be aware of or needs to comply outside their premises with in connection with transport or conveyance either within or outside their premises)**

Emergency procedures in case of fire

N/A

Emergency procedures in case of spill/leak

N/A

### 15. Regulatory Information

**A. Regulations according to the Industrial Safety and Health Act**

N/A

**B. Regulations according to the Toxic Chemicals Control Act**

N/A

**C. Regulations according to the Safety Control of Dangerous Substances Act**

N/A

**D. Regulations according to the Wastes Control Act**

N/A

**E. Other regulations according to domestic and foreign laws**

- Follow the regulations of the KFDA (Korea Food & Drug Administration).

- Follow the regulations of the Directive 93/42/EEC and 2007/42/EC.

### 16. Other Information ( Other information including information on preparation and revision of the SDS )

#### A. Source of Data

International Uniform Chemical Information Database (IUCLID)  
(<http://ecb.jrc.it/esis>) (Appearance)

Corporate Solution From Thomson Micromedex  
(<http://csi.micromedex.com>) (M. Specific Gravity)

#### B. Date of Creation

06 / 18 / 2014

#### C. Revision No. & Revision Date

Revision Number

0

Date of Last Revision

06 / 18 / 2014

#### E. Other Information

The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate and reliable. It is intended to describe the product according to various safety requirements; however, the manufacturer makes no warranty with respect to the accuracy and completeness of the information or the suitability of the recommendation and assumes no liability to any user thereof.