

SAFETY DATA SHEETS

This SDS packet was issued with item:

072802908

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

070375196 070375204 070375212 070375220 070375238 070375246 070375253 070375261 070375279 070375287
070375295 070375303 070375311 070375329 070375337 070422873 070422881 070422899 070422907 070423038
070423046 070423053 070423061 070423079 070423087 070423095 070423103 070423111 070423129 070423137
070423145 070423152 070423160 070423178 070423186 070423194 070423202 070633792 070633800 071013465
071013473 071032713 071032721 071064567 071064575 071070036 071070044 071070051 071070069 071070077
071070085 071070093 071070101 071070119 071070127 071111343 071142389 071142397 071252204 071282102
071333939 071337617 071337625 071337633 071447408 071447424 071447432 071447440 071447457 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 072799906 072799914 072799922 072799930 072799948 072799955 072799963 072799971 072799989
072799997 072800001 072800308 072800316 072800324 072800332 072800340 072800357 072800365 072800373
072800381 072800399 072800407 072800415 072800431 072800449 072800456 072800464 072800506 072800514
072800522 072800530 072800548 072800555 072800563 072800571 072800589 072800597 072800605 072800613
072800621 072800639 072800647 072800654 072800670 072800688 072800696 072800704 072800712 072800720
072800738 072800746 072800753 072800761 072800779 072801009 072801025 072801033 072801041 072801058
072802874 072802890 072802916 072802924 072802932 072802940 072802965 072802973 072802981 072802999
072803005 072803013 072803021 072803039 072803047 072803054 072803500 072803518 072803526 072803609
072803617 072803625 072803633 072803641 072803658 072803666 072803674 072803682 072803690 072803708
072803716 072803724 072803732 072803740 072803757 072803765 072803773 072803781 072803799 072803807
072803815 072803823 072803831 072803849 072803856 072803864 072803906 072803914 072803922 072803930
072803948 072803955 072803963 072803971 072803989 072803997 072804003 072804011 072804029 072804037
072804045 072804052 072804102 072804110 072804128 072804136 072804144 072804151 072804169 072804177
072804185 072804193 072804201 072805042 072805067 072805075 072805083 072805091 072805109 072805117

072805125 273000592 273000593 273000594 273033128

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).

072800423 072801017 072805059

DIADENT GUTTA PERCHA
Root Canal Filling Material

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 (H₂O = 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 - NTP: No
IARC Monographs: 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.

MATERIAL SAFETY DATA SHEET

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

Page 1 of 5

1. Product & 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
BaSO ₄	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

A. Eyes

Get medical aid immediately if discomfort or irritation persists.

B. Skin

Consult a physician immediately if you feel discomfort.

C. Inhalation

Remove patient from exposure to fresh air immediately.

Administer approved oxygen supply if breathing is difficult and get medical aid immediately.

D. Ingestion

Seek immediate medical help.

E. Notes to Physicians

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 (CO₂), 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/cm³

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

A. Chemical stability & Possibility of hazardous reactions

N/A

B. Conditions to avoid

Direct light, excessive heat, and moisture

C. Incompatible materials

Inflammable Materials & Reducing Materials

D. Hazardous decomposition or byproduct

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

11. Toxicological Information

A. Possible routes of exposure

N/A

B. Information on harmful health effects

(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

A. Ecotoxicity

Fish

N/A

Shellfish

N/A

Birds

N/A

B. Persistence & Degradability

Persistence

N/A

Degradability

N/A

C. Bioaccumulative potential

Accumulation

N/A

Biodegradability

N/A

D. Mobility in soil

N/A

E. Other adverse effects

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.