

Safety Data Sheet

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**1. Product & Company Identification****A. Product Name**

Diapaste

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

Purpose of Use Temporary Filling material for infected 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 1  
 Serious Skin Corrosion/Skin Irritation: Category 1

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

Pictograms



Signal Words

Danger

Hazard Statement(s)

H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.

Precautionary Statement(s)

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray  
 P264 Wash ... thoroughly after handling  
 P271 Use only outdoors or in a well-ventilated area  
 P280 Wear protective gloves/protective clothing/  
 eye protection/face protection.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth.  
 Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off  
 immediately all contaminated clothing.  
 Rinse skin with water/shower.  
 P304+P340 IF INHALED : Remove victim to fresh air and keep  
 at rest in a position comfortable for breathing.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P321 Provide specific treatment according to the situation.  
 P363 Wash contaminated clothing before reuse.

Disposal

P501 Dispose of contents/container according to the related regulations.

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

Health	0
Flammability	0
Reactivity	0

### 3. Composition & Information on Ingredients

Chemical Identity	Common Name	CAS Number	% Volume
Calcium Hydroxide	HYDRATED LIME	1305-62-0	22~26%
Barium Sulfate	SULFURIC ACID, BARIUM SALT (1:1)	7727-43-7	22~26%
Glycol Derivatives	-	-	28~42%
Thickening Agents	-	-	8~16%
Water	DIHYDROGEN OXIDE	7732-18-5	2~6%

### 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 of the chemical and treat symptomatically.

### 5. Fire Fighting 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

Toxic gases can be produced due to pyrolysis or combustion process.  
The product is partially inflammable.

#### 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 and 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

Store in a cool, dry place.

## 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

N/A

Respiratory protection

Protective Glasses

Eye protection

Latex Glove

Hand protection

Lab Coats

Skin & body protection

## 9. Physical & Chemical Properties

### A. Appearance

Physical state

Paste

Color

White

### B. Odor

Odorless

### C. Odor threshold value

N/A

### D. pH

N/A

### E. Melting point/Freezing point

12.5

### 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

Insoluble

### M. Vapor density

N/A

### N. Relative density

N/A

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

N/A

### P. Auto-ignition temperature

N/A

Q. Decomposition temperature	N/A
R. Viscosity	N/A
S. Molecular weight	N/A

## 10. Stability & Reactivity N/A

A. Chemical stability & Possibility of hazardous reactions	Stable under recommended conditions of storage and use
B. Conditions to avoid	Extreme heat, direct light, and strong acid
C. Incompatible materials	N/A
D. Hazardous decomposition or byproduct	N/A

## 11. Toxicological Information

A. Possible routes of exposure	N/A
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### B. Information on harmful health effects

(Symptoms related to the physical, chemical and toxicological characteristics)

#### Acute toxicity

Oral	N/A
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Dermal	N/A
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Inhalation	N/A
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Skin corrosion/Irritation	May cause irritation to the skin
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Serious Eyes damage/Irritation	May cause irritation to the eyes
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Respiratory sensitization	N/A
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Skin sensitization	May cause allergic skin reactions
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Carcinogenicity	N/A
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4. F Industrial Safety and Health Act	N/A
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Notification of the Ministry of Employment and Labor	N/A
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IARC	N/A
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OSHA	N/A
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ACGIH	N/A
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NTP	N/A
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EU CLP	N/A
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Germ cell mutagenicity	N/A
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Reproductive Toxicity	N/A
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Specific Target Organ Toxicity (Single Exposure)	N/A
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Specific Target Organ Toxicity (Repeated Exposure)	N/A
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Aspiration Toxicity	N/A
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## 12. Ecological information

### A. Ecotoxicity

Fish	N/A
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Shellfish	N/A
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Birds	N/A
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### B. Persistence & Degradability

Persistence	N/A
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Degradability	N/A
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### C. Bioaccumulative potential

Accumulation	N/A
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Biodegradability	N/A
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**D. Mobility in soil**  
**E. Other adverse effects**

N/A  
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 Number**

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 Safety 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

**A. Source of Data**

**B. Date of Creation**

07 / 21 / 2014

**C. Revision Number and Revision Date**

Revision Number

1

Date of Last Revision

03 / 28 / 2017

**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.