Dia-Proseal
Safety Data Sheets

1. Identification

A. Product Name	Dia-Proseal
Product type	Base-Paste Catalyst-Paste
B. Recommended use of the product and restrictions on its use	
Recommend use of the product	Root Canal Filling Material
Restrictions on use of the product	Use by specialists
C. Supplier Information (For imported goods, enter the information of the domestic supplier that can be contacted urgently)	
Name of Company	DiaDent Group International
Address	16, Osongsaengmyeong 4-ro, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Korea, 28161
Emergency contact number	+82-43-266-2315

2. HAZARDS IDENTIFICATION

A. Type of Hazard·Danger — The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

B. Warning sign items including preventive action statements

Pictorial symbol

Signal words — Warning(GHS07)

3. COMPOSITION/INFORMATION ON INGREDIENT

Type	Names of ingredients	Nicknames (Trivial Names)	CAS No.	Content (%)
Base	Bisphenol A	Diglycidyl ether of bisphenol A	25068-38-6	30~35
	Bisphenol F	Diglycidyl ether of bisphenol F	9003-36-5	30~35
	Zirconium Dioxide		1314-23-4	10~15
	Calcium hydroxide		1305-62-0	10-15
Catalyst	Poly(1,4-butanediol)bis(4-aminobenzoate)		54667-43-5	10~15
	Zirconium Dioxide		1314-23-4	15~20
	Calcium hydroxide		1305-62-0	10~15
	Calcium tungstate		7790-75-2	25~30

4. FIRST AID MEASURES

A. When entered into eyes	Remove contact lenses and wash with plenty of water. If symptoms persist, seek medical attention. In case of contact with substance, immediately wash skin and eyes with running water for more than 20 minutes.
B. When contacted with skin	Wash the skin with soap and water.
C. When inhaled	Move to a place with fresh air. If you are not feeling well, consult a doctor.
D. When consumed	Rinse your mouth and get medical attention if you are not feeling well.
E. Other medical precautions	Have medical personnel perceive the material and take protective measures.

5. FIRE FIGHTING MEASURES

A. a suitable (improper) extinguishing agent	A fire extinguishing agent suitable for common combustible materials, such as water or foam.
B. specific hazards arising from chemicals	Does not occur

6. ACIDENTAL RELEASE MEASURES

Use an absorbent material to wipe clean.

7. HANDLING AND STORAGE

Safe handling and storage	Use for only professional personnel. Use sanitary gloves and tools at the place of treatment. Do not consume or inhale the product. Store at 2~27℃/35~80°F Avoid direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Appropriate engineering management	Use local exhaust or do other engineering management to control the air level below the exposure standard.
B. Personal protective equipments	safety goggles and gloves

9. PHYSICAL/CHEMICAL PROPERTIES

A. External	
Composition	Paste
Color	Base_Yellow / Catalyst_white
B. Odor	No data
C. Odor Threshold	No data
D. pH	No data
E. Melting point / Freezing point	No data
F. Initial boiling point and boiling point range	No data
G. Flash point	No data
H. Evaporation rate	No data
I. Flammability (solid, gas)	No data
J. Upper / lower limit of ignition or explosion	No data
K. Vapor pressure	No data
L. Solubility	No data
M. Vaport density	No data
N. Specific gravity	1.7~1.8
O. n-octanol / water partition coefficient	No data
P. Natural ignition temperature	No data
Q. Decomposition temperature	No data
R. Viscosity	No data
S. Molecular Weight	No data

10. STABILITY AND REACTIVITY

A. Chemical Stability and Possibility of Hazardous Reaction	Not applicable
B. Conditions to avoid	Avoid direct light or water exposure.

11. TOXICOLOGICAL INFORMATION

Oral mucosa irritation	No significant clinical signs was observed(hamster)
Maximization Sensitization	No significant clinical signs was observed
Acute systemic toxicity	No significant clinical signs was observed(Mouse)

12. ECOLOGICAL INFORMATION

No ecological problems to be anticipated if properly handled and used.

13. DISPOSAL CONSIDERATION

A. Disposal methods	Dispose of contents and containers in accordance with the regulations, if specified in the Waste Management Act. Discard the container (as specified in the applicable regulations).

14. TRANSPORT INFORMATION

A. UN No. DOT, ADR, IMDG, IATA	Not a regulated substance.
B. Proper shipment name DOT, ADR, IMDG, IATA	Not a regulated substance.
C. Risk level in transportation DOT, ADR, IMDG, IATA	Not a regulated substance.
D. Container level DOT, ADR, IMDG, IATA	Not a regulated substance.
E. Marine pollutants	Not applicable.
F. Special safety measures required or required by the user to know regarding transport or means of transport	Protect from water, heat or light.

Product is not classified as a dangerous good for transport.

15. REGULATORY INFORMATION

The product is a medical device according to the EC-directive 93/42/EEC.

This product is classified as a medical device under KFDA, FDA.

This product does not require classification as Dangerous Goods.

16. OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

A. Date of initial preparation	2014-01-07
B. Number of revisions and date of final revision	
Number of revisions	4
Date of final revision	2019-01-07
C. Others	

○ The Material Safety and Health Data (MSDS) is edited and partially modified based on the MSDS provided by the Korea Occupational Safety and Health Agency.