

Safety Data Sheet

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

Dia-Prep Plus

B. Purpose of Use & Restrictions on Use

Purpose of Use Root canal preparation
 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/vapors/spray
 P264 Wash hands thoroughly after handling
 P280 Wear protective gloves/protective clothing/eye
 protection/face protection

Response

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.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for
 several minutes. Remove contact lenses if present and easy to

Storage
Disposal

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
P405 Store locked up
P501 Dispose of contents/container according to the related regulations.

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

Health	
Flammability	0
Reactivity	0
	0

3. Composition & Information on Ingredients

Chemical Identity	Common Name	CAS Number	% Volume
Ethylene diaminetetraacetic Acid(EDTA)	-	5964-35-2	15
Urea Peroxide	UREA COMPOUND, WITH HYDROGEN PEROXIDE	124-43-6	10
Polyoxypropylene glycol	Polyoxypropylene glycol	25322-69-4	75

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 (CO₂), 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 Fire-fighters

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

Store in a cool, dry place. Avoid exposure to direct light and heat.

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

Protective glasses

Hand protection

Latex gloves

Skin & body protection

Lab coats

9. Physical & Chemical Properties

A. Appearance

Physical state

Cream texture

Color

White

B. Odor

Odorless

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

Partially soluble

M. Vapor density

N/A

N. Relative density

N/A

O. Partition coefficient: n-Octanol/water

N/A

P. Autoignition temperature

N/A

Q. Decomposition temperature

N/A

R. Viscosity

N/A

S. Molecular weight

N/A

10. Stability & Reactivity

A. Chemical stability & Possibility of hazardous reactions	Stable under suggested conditions of storage and use
B. Conditions to avoid	High heat and direct light
C. Incompatible materials	Alkali, ammonia, phenol, charcoal, iodide, metal, salt, sulphate
D. Hazardous decomposition or byproduct	Carbon monoxide, carbon dioxide, ammonia

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	May cause irritation on the skin
Serious Eyes damage/Irritation	May cause irritation on the eyes
Respiratory sensitization	N/A
Skin sensitization	May cause allergic reaction on the skin
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)	N/A
Specific Target Organ Toxicity (Repeated Exposure)	N/A
Aspiration (Inadvertent Suction) 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 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 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

N/A

B. Date of Creation

07 / 21 / 2014

C. Revision Number and Revision Date

Version No.

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.