

## SECTION 1. IDENTIFICATION

### 1.1 Product Identifier

Trade name : **Dia-PrepPro**  
Other means of identification : Not available  
Product type : Cream type

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Dental Product - Root Canal Preparation Cream  
Area of application : Professional application.

### 1.3 Details of the supplier of the safety data sheet

Manufacturer : **DiaDent Group International**  
16, Osongsaengmyeong 4-ro, Osong-eup, Heungdeok-gu, Cheongju-si,  
Chungcheongbuk-do, Korea (28161)  
e-mail address of person : diadent@diadent.co.kr  
responsible for this SDS  
Emergency Phone : During normal opening time +82-43-266-2315  
Fax (Factory) +82-43-262-8658

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 GHS Classification and label elements of the product

Classification of the substance or mixture

#### HEALTH HAZARDS

Serious eye damage/eye irritation : **Category 2B**  
Reproductive toxicity: **Category 2**  
Specific target organ toxicity - repeated exposure : **Category 1**

#### ENVIRONMENT HAZARDS

Hazardous to the aquatic environment - acute hazard: **Category 3**  
Hazardous to the aquatic environment - long-term hazard: **Category 3**

Label elements



GHS03 Flame over circle

Ox. sol. 2

H272 May intensify fire; oxidizer.



GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS08

**HAZARD STATEMENT**

- Causes eye irritation
- Suspected of damaging fertility or the unborn child
- Causes damage to organs through prolonged or repeated exposure
- Harmful to aquatic life
- Harmful to aquatic life with long lasting effects

**PRECAUTION STATEMENT**

Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid release to the environment
- Do not breath dust/fume/gas/mist/vapors/spray
- Wash contaminated parts thoroughly after handling
- Use personal protective equipment as required.
- Do not eat, drink or smoke when using this product.

Response

- Get medical advice/attention if you feel unwell.
- If exposed or concerned: Get medical advice/attention
- If in eyes: Rinse cautiously with water for several minute. Remove contact lenses, if present and easy to do. Continue rinsing.

**OTHER HAZARD**

None

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENT**

**3.1 Chemical characterization** : Mixture

**3.2 Description** : Mixture of the substances listed below with nonhazardous additions.

	<b>Hazardous Ingredient</b>	<b>Concentration(%)</b>	<b>CAS No.</b>	<b>Further information</b>
EDTA	Ethylenediamine tetraacetic acid	15~17	60-00-4	None
UHP	Urea Hydrogen peroxide	3~10	124-43-6	None

Any concentration shown as a range is to protect confidentiality or is due to batch variation

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section**

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance

#### If inhaled

If breathed in, move person into fresh air, If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact.

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

### 4.2 Most Important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, Dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Containers may explode when heated.

Fire may produce irritating, corrosive and/or toxic gases.

### 5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

### 5.4 Further information

no data available.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precaution, Protective equipment and emergency procedures.

Use personal protective equipment. Ensure adequate ventilation.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up.

Sweep up, place in a bag and hold for waste disposal.

### 6.4 Reference to other sections.

For disposal see section 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from heat/sparks/open flames/hot surfaces - No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

2 years from manufacture date.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

#### Additional information

no data.

### 8.2 Exposure controls

#### Personal protective equipment

##### Eye/Face protection



Tightly sealed goggles.

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166(EU).

##### Skin protection



Protective gloves.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection**

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**SECTION 9. PHYSICAL/CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

a) Physical state	Cream type
b) Color	White
c) Odor	no data available
d) Odor threshold	no data available
e) PH	Neutral
f) Melting point/ Freezing point	no data 60-00-4 : melting point 245°C
g) Initial boiling point and boiling range	no data
h) Flash point	no data
i) Relative density	1.059
j) Water solubility	60-00-4 : 0.05g/100ml 124-43-6 : 800g/l
k) Auto-ignition temperature	60-00-4 : 350°C 124-43-6 : no data
l) Decomposition temperature	60-00-4 : 150°C 124-43-6 : no data
m) Molecular mass	60-00-4 : 292.25 124-43-6 : 94.07

**SECTION 10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	May intensify fire; Oxidizer
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- 10.2 Chemical stability** The product is stable under normal storage/handling conditions.
- 10.3 Possibility of hazardous reactions** Reacts with flammable substances.
- 10.4 Conditions to avoid** Contact with incompatible materials.  
Open flames. Heat
- 10.5 Incompatible materials** Strong oxidizing agents.
- 10.6 Hazardous decomposition products** Carbon oxides, Nitrogen oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Cytotoxicity : Grade 1 Slight : some malformed or degenerated cells under specimen**

**Oral Mucosa irritation : Non-irritant**

**Skin sensitization : No allergenic potential**

**Irritant properties**

**Serious eye damage/irritation** 60-00-4: rabbit : symptom disappear after 8 days

**Reproductive toxicity** 60-00-4: cat.2; Teratogenic 12th, 2007

Delayed and immediate effects and also chronic effects from short-and long-term exposure

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Aquatic toxicity**

60-00-4: Harmful to aquatic life

Harmful to aquatic life with long lasting effects

**Aquatic acute toxicity component data**

60-00-4: Fish(bluegill) LC50 = 41 mg/L/96hr

**12.2 Persistence and degradability** 60-00-4: BOD degradation 0%

**12.3 Bioaccumulative potential** 60-00-4: BCF(2mg/L)=2.7~12  
BCF(0.2mg/L)=27~123

**12.4 Mobility in soil** no data available

**12.6 Other adverse effects** no data available

**SECTION 13. DISPOSAL CONSIDERATION**

**13.1 Waste treatment methods**

**Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Avoid release to the environment**

**Dispose of contents/container in accordance with local/national regulation.**

**SECTION 14. TRANSPORT INFORMATION**

**14.1 UN-Number** 124-43-6: UN 1511

**DOT,ADR, IMDG, IATA**

**14.2 UN proper shipping name**

**DOT** 124-43-6

**ADR** 124-43-6: 1511 Urea hydrogen peroxide

**IMDG, IATA** 124-43-6: Urea hydrogen peroxide

**14.3 Transport hazard class(es)**

**DOT**

124-43-6 :



**Class**

5.1 Oxidising substances

**Label**

5.1 + 8

**ADR**

124-43-6 :



**Class**

5.1 (OC2) Oxidizing substances

**Label**

5.1 + 8

**IMDG, IATA**

124-43-6 :



**Class**

5.1 Oxidising substances

**Label**

5.1 + 8

**14.4 Packing group**

**DOT, ADR, IMDG, IATA** 124-43-6 : III

- 14.5 Environmental hazards** Not applicable
- 14.6 Special precautions for user** 124-43-6 : Warning: Oxidizing substances.  
**Danger code(Kemler)** 58  
**EMS Number** F-A, S-Q
- 14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC Code** Not applicable
- 14.8 Transport/Additional information**  
**DOT** No  
**UN "Model Regulation"** 124-43-6: UN1511, Urea hydrogen peroxide, 5.1 (8), III

**SECTION 15. REGULATORY INFORMATION**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**15.1 Safety, Health and environmental regulation/legislation specific for the substance or mixture****US major regulations****TSCA**

60-00-4

**National regulations**

**124-43-6: All components of this product are listed in the U.S. Environmental protection Agency Toxic substances control Act chemical substance Inventory.**

**All components of this product are listed on the Canadian Non-Domestic substances List(NDSL).**

**15.2 Chemical Safety Assessment** 124-43-6: A chemical safety assessment has not been carried out.**SECTION 16. OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The attached safety data sheet covers the danger and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer.

For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the IFU.