

SECTION 1. IDENTIFICATION

1.1 Product Identifier

Trade name : Dia-Prep Pro

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

Specific target organ toxicity - repeated exposure : Category 1

Label elements



GHS07 Warning

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.

	Hazardous Ingredient	Concentration(%)	CAS No.	Further information
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

10.1 Reactivity	May intensify fire; Oxidizer
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** Non-regulated Material
DOT,ADR, IMDG, IATA
- 14.2 UN proper shipping name** Non-regulated Material
DOT, ADR, IMDG, IATA
- 14.3 Transport hazard class(es)** Non-regulated Material
DOT, ADR, IMDG, IATA
Class
- 14.4 Packing group** Non-regulated Material
DOT, ADR, IMDG, IATA
- 14.5 Environmental hazards** Not applicable
- 14.6 Special precautions for user** Not applicable
- 14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC Code** Not applicable
- 14.8 Transport/Additional information** Non-regulated Material
DOT
UN "Model Regulation"

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.