

Safety Data Sheet

Page 1 of 5

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

e-Temp

B. Purpose of Use & Restrictions on Use

Purpose of Use Hydraulic Temporary restorative
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, 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
H319 Causes severe eye irritation

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+330+331: IF SWALLOWED: Rinse mouth.
Do NOT induce vomiting
P304+340: IF INHALED: Remove victim to fresh air and keep
at rest in a position comfortable for breathing
P305+351+338: 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.

Storage
Disposal

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

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

| | |
|--------------|---|
| Health | 2 |
| Flammability | 0 |
| Reactivity | 0 |

3. Composition & Information on Ingredients

| Chemical Identity | Common Name | CAS Number | % Volume |
|-------------------|-------------|------------|----------|
| Zinc oxide | - | 1314-13-2 | <35% |
| Glycerine | - | 56-81-5 | <25% |
| Trade Secret | - | - | <40% |

4. First Aid Measures

| | |
|-------------------------------|---|
| A. Eyes | Flush with a large amount of water. Seek medical advice. |
| B. Skin | Wash with soap and water. Seek medical advice. |
| C. Inhalation | Remove to fresh air. Seek medical advice. |
| D. Ingestion | Give 2-5 glasses of water. Seek medical advice. |
| E. Notes to Physicians | Have a comprehensive understanding of the chemical and treat symptomatically. |

5. Fire Fighting Measures

A. Appropriate Extinguishing Media

Water fog, CO₂ foam, Dry chemical.

B. Specific hazard arising from the chemical

Heat can cause polymerization with rapid release of energy.

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 & Storage**A. Safe handling**

Follow all prevention measures on the SDS/labels.

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

Avoid exposure to light and heat, store in room temperature.

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

Eye protection

Protective glasses

Hand protection

Latex Glove

Skin & body protection

Lab coat

9. Physical & Chemical Properties**A. Appearance**

Cement

Physical state

White

Color

B. Odor

N/A

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

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 normal condition of storage and use

B. Conditions to avoid

Heat and light

C. Incompatible materials

N/A

D. Hazardous decomposition or byproduct

N/A

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 to the skin

Serious Eyes damage/Irritation

May cause irritation to the eyes

Respiratory sensitization

N/A

Skin sensitization

May cause allergic reactions on the skin

Carcinogenicity

Industrial Safety and Health Act

N/A

2. Hazard Notification of the Ministry of Employment and Labor

N/A

IARC

N/A

4. First Aid Measures

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 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. 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

N/A

B. Date of Creation

07 / 22 / 2014

C. Revision Number and Revision Date

Revision Number

1

Date of Last Revision

08 / 25 / 2014

D. Other Information

This Material Safety Data Sheet has been created based on the raw material SDS and manufacturer's knowledge and experience. It is intended to describe our products according to various safety requirements and does not guarantee any properties/results in particular.