

Safety Data Sheet

1. PRODUCT AND MANUFACTURER INFORMATION

A. Product Name DiaTemp Flow

B. Recommended use of the product and restrictions on its use

- Recommend use of the product Temporary Filling Material

- Restrictions on use of the product **For Dental Professional Use Only**

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,
Republic of Korea

- Emergency contact number 82-43-266-2315

D. Importer Information

- Name of Company DiaDent Group International Inc.

- Address #380 - 8210 Ross Street
Vancouver, BC, Canada, V5X 0L1

- Emergency contact number 1-604-451-8851

- Email diadent@diadent.com

2. HAZARDS IDENTIFICATION

Uncured material : Direct contact can cause eye and skin irritation.

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



2. HAZARDS IDENTIFICATION

| | |
|--------------------|---|
| - Signal words | Danger(GHS02, GHS08, GHS09) |
| - Hazard Statement | H335 May cause respiratory irritation |
| | H400 Very toxic to aquatic life |
| | H410 Very toxic to aquatic life with long-lasting effects |

3. COMPOSITION/INFORMATION ON INGREDIENT

| Names of ingredients | Synonym | CAS No. | Content (%) |
|-----------------------------|--|-------------|-------------|
| Silicon dioxide | Silica, Amorphous, fumed, crystalline free | 112945-52-5 | 15 ~ 25 |
| Aliphatic urethane acrylate | - | proprietary | 25 ~ 35 |
| Epoxy acrylate oligomer | - | proprietary | 25 ~ 35 |
| etc. | - | - | > 1.1 |

4. FIRST AID MEASURES

| | |
|------------------------------|---|
| A. When entered into eyes | 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 | It does not occur in proper use. |
| E. Other medical precautions | Have medical personnel perceive the material and take protective measures. |

5. FIRE FIGHTING MEASURES

| | |
|--|-----------------------------|
| A. a suitable (improper) extinguishing agent | Water fog, Dry powder, 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°C/35~80 °F

Avoid direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Appropriate engineering management

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

B. Personal protective equipment

safety goggles and gloves

9. PHYSICAL/CHEMICAL PROPERTIES

A. External

- Composition

Paste

- Color

Yellow or Blue

B. Odor

Mild acrylic odor

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

9. PHYSICAL/CHEMICAL PROPERTIES

| | |
|---|---------------------------------------|
| J. Upper / lower limit of ignition or explosion | No data |
| K. Vapor pressure | No data |
| L. Solubility | less than 7.5 μ g/mm ³ |
| M. Vapor density | No data |
| O. Specific gravity | 1.3~1.4 |
| P. n-octanol / water partition coefficient | No data |
| Q. Natural ignition temperature | No data |
| R. Decomposition temperature | No data |
| S. Viscosity | No data |
| T. 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. If exposed to light, a polymerization reaction may occur and cause curing. |

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------|---|
| A. Cytotoxicity | 0~1(None~Mild) |
| B. LLNA | No clinical signs or cage death was observed(Mouse) |
| C. Oral mucosa irritation | No significant clinical signs was observed(hamster) |
| D. Maximization Sensitization | No significant clinical signs was observed |
| E. 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 |
|---------------------|---|

13. DISPOSAL CONSIDERATION

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 **Medical Device Regulation (MDR) (EU 2017/745)**
- This product is classified as a medical device under KFDA, FDA. **Health Canada**
- 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 | Feb. 09, 2018 |
| B. Number of revisions and date of final revision | |
| - Number of revisions | 05 |
| - Date of final revision | Nov. 20, 2025 |
| C. Others | Not applicable. |

○ 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.