1 Identification

- **Product identifier**
  - **Trade name:** CLEARFIL MAJESTY Flow
  - **Article number:** CA132
- **Relevant identified uses of the substance or mixture and uses advised against**
  - No further relevant information available.
- **Application of the substance / the mixture**
  - Dental filling material
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:** Kuraray Noritake Dental Inc.
    1621 Sakazu, Kurashiki, Okayama 710-0801, Japan
  - **Contact information:**
    Kuraray America, Inc.
    33 Maiden Lane, 6th Floor, New York, NY 10038 U.S.A.
    Tel: 800-879-1676
    Fax: 888-700-5200
    Website: www.kuraraydental.com
  - **Emergency telephone number:**
    For chemical emergency spill, leak, fire, exposure or accident
    Call CHEMTREC day and night
    Within USA and Canada: 1-800-424-9300 CCN706984 or +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements** Void
  - **Hazard pictograms** Void
  - **Signal word** Void
  - **Hazard statements** Void

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>109-16-0 triethylene glycol dimethacrylate</td>
<td>2.5-10% w/w</td>
</tr>
</tbody>
</table>

- **Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319; Specific Target Organ Toxicity - Single Exposure - Category 3, H335 |

**Other ingredients:**

- Hydrophobic aromatic dimethacrylate
- Silanated barium glass filler
- Silanated colloidal silica
- dl-Camphorquinone
- Accelerators
- Pigments

(Contd. on page 2)
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4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: If symptoms persist consult doctor.

- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: See Section 8.

- Environmental precautions: No special measures required.

- Methods and material for containment and cleaning up: Pick up mechanically.

- Reference to other sections: No dangerous substances are released.

7 Handling and storage

- Handling:
  - Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.

- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: Store in a cool location (2-25°C).
    - Information about storage in one common storage facility:
      - Store away from oxidizing agents.
      - Store away from reducing agents.

- Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

- Control parameters
  - Components with limit values that require monitoring at the workplace:
    - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: Pasty
    - Color: Colored
    - Odor: Odorless
  - pH-value: Not applicable.
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: Undetermined.
  - Flash point: Not applicable.
  - Ignition temperature: Not applicable.
  - Decomposition temperature: Not determined
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: Not applicable.
    - Upper: Not applicable.
  - Oxidizing properties
    - Not determined
  - Vapor pressure: Not applicable.
  - Density: 2.2 g/cm³
  - Relative density: Not determined
  - Vapor density: Not applicable.
  - Evaporation rate: Not determined
  - Solubility in / Miscibility with
    - Water: Insoluble.
10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability:
  - Thermal decomposition / conditions to be avoided:
    - No decomposition if used and stored according to specifications.
  - Possibility of hazardous reactions: No dangerous reactions known.
  - Conditions to avoid: No further relevant information available.
  - Incompatible materials: No further relevant information available.
  - Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

- Information on toxicological effects:
  - Acute toxicity:
    - Primary irritant effect:
      - on the skin: No irritant effect.
      - on the eye: No irritating effect.
    - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
    - The product is not subject to classification according to internally approved calculation methods for preparations:
      - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- Carcinogenic categories:
  - IARC (International Agency for Research on Cancer):
    - None of the ingredients is listed.
  - NTP (National Toxicology Program):
    - None of the ingredients is listed.

12 Ecological information

- Toxicity:
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
    - Bioaccumulative potential: No further relevant information available.
    - Mobility in soil: No further relevant information available.
  - Additional ecological information:
    - General notes: Generally not hazardous for water
  - Results of PBT and vPvB assessment:
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.
### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
  - DOT, TDG, ADN, IMDG, IATA: Void

- **UN proper shipping name**
  - DOT, ADN, IMDG, IATA: Void
  - TDG: Void

- **Transport hazard class(es)**
  - DOT, TDG, ADN, IMDG, IATA: Void
  - Class: Void

- **Packing group**
  - DOT, TDG, IMDG, IATA: Void

- **Environmental hazards:**
  - Marine pollutant: No

- **Special precautions for user:** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

- **UN "Model Regulation":** Void

### 15 Regulatory information

- **Sara**
  - **Section 355 (extremely hazardous substances):**
    - None of the ingredient is listed.
  
  - **Section 313 (Specific toxic chemical listings):**
    - None of the ingredients is listed.
  
  - **SARA 311/312:** See Section 2 for the information on physical and health hazards.

- **TSCA (Toxic Substances Control Act):**
  - All ingredients are listed.

- **Canadian substance listings:**
  - **Canadian Domestic Substances List (DSL):**
    - All ingredients are listed.
  
  - **Canadian Ingredient Disclosure list (limit 0.1%):**
    - None of the ingredients is listed.
  
  - **Canadian Ingredient Disclosure list (limit 1%):**
    - All ingredients are listed.
Trade name: CLEARFIL MAJESTY Flow

* 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.

* Data compared to the previous version altered.