

TOKUYAMA DENTAL CORPORATION

MATERIAL SAFETY DATA SHEET

(According to 91/155/EEC and OSHA regulation 29 CFR 1910. 1200(g))

1. Identification of substance

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|--|---|
| Product name | ESTELITEΣQUICK |
| Description of Product | Composite Resin, For dental professionals only. |
| Manufacturer | Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan TEL: +81 3 3835 7201 |
| EC Representative (Emergency Contact in EU) | Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, Germany TEL: +49 211 1754480 FAX: +49 211 357379 |
| North America | Tokuyama America, Inc. TEL: (877) 378 3548 (Dental Toll-Free) |

2. Composition / Data on components

| Ingredients | % | Cas.No. | Symbols | R-phrases | OSHA PEL |
|-----------------------------------|-------|------------|---------|-----------|----------|
| Silica-zirconia filler | 20-60 | N/E | N/E | N/E | N/E |
| Composite filler | 20-60 | N/E | N/E | N/E | N/E |
| Bis-GMA | 5-20 | 1565-94-2 | N/E | N/E | N/E |
| Triethylene glycol dimethacrylate | 5-20 | 109-16-0 | N/E | N/E | N/E |
| Camphorquinone | <1 | 10373-78-1 | N/E | N/E | N/E |

3. Hazard identification

| | |
|--------------------|--|
| Hazard description | This product is not classified as dangerous preparation. |
| R-phrases | Not applicable. |

4. First aid measures

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| After skin contact | Wash immediately with soap and plenty of water. |
| After eye contact | Wash immediately with plenty of water. Get medical attention. |
| After swallowing | Induce vomiting immediately. Get medical attention. |

5. Fire fighting measures

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| Suitable extinguishing media | Chemical foam, carbon dioxide or dry chemical. |
| Media not to be used | None. |
| Combustion products and resulting gases | Irritant gas may be released during heating or in case of fire. |
| Special precaution for firefighters | Use protective clothing and a self-contained breathing apparatus. |

6. Accidental release measures

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| Personal precautions | Wear suitable protective groves. |
| Environmental precautions | Not required. |
| Methods for cleaning up | Clean up with an inert absorbent. |

7. Handling and storage

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| Handling | Use in a well ventilated place. |
| Storage | Store in a cool, dark place (0-25°C, 32-77°F). Keep away from heat, direct sunlight and open flames. |

8. Exposure controls / personal protection

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|------------------------|------------------------------------|
| In general | Not required. |
| Respiration protection | Not required. |
| Hand protection | Wear suitable protective gloves. |
| Eye protection | Wear suitable protective glasses. |
| Skin protection | Wear suitable protective clothing. |

9. Physical and chemical properties

| | | | |
|------------------|---------------------|-----------------------|-----------------------|
| Appearance | Paste, Ivory tinted | Explosive properties | None |
| Odor | None | Oxidizing properties | None |
| pH | Neutral | Vapor pressure | N/A |
| Boiling point | None | Relative density | 1.9 g/cm ³ |
| Melting point | N/A | Solubility (water) | None |
| Flash point | N/A | Solubility (solvent) | N/A |
| Flammability | None | Partition coefficient | N/A |
| Autoflammability | None | Others | - |

10. Stability and reactivity

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|---------------------|------------------------------|
| Conditions to avoid | Light, heat and open flames. |
| Materials to avoid | Strong oxidizing agents. |
| Hazardous reactions | No hazardous reaction known. |

11. Toxicological information

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| Inhalation | - |
| Ingestion | Slight irritation. |
| Skin contact | Slight irritation, repeated prolonged contact may cause skin inflammation. |
| Eye contact | Slight irritation. |
| Carcinogenicity | N/R |

12. Ecological information

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|------------------|-----|
| Biodegradability | N/A |
| Bioaccumulative | N/A |
| Aquatic toxicity | N/A |

13. Disposal consideration

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| Disposal must be made according to federal, state and local regulations. |
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14. Transport information

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|----------------------|------------------------------|
| Proper shipping name | Not subject to this section. |
| UN number | |
| Classification | |
| Packing group | |
| Air transport | |
| Sea transport | |
| Inland transport | |

15. Regulatory information

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| Marking according to EU regulations | Not subject to the 67/548/EEC. |
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16. Other information

The information which is contained in this document is based on available data. However, as such has been obtained from various sources, including independent laboratories, it is given without warranty or representation that is complete, accurate and can be relied upon. Tokuyama Dental Corp. has not attempted to conceal in any way the deleterious aspects of the product listed herein, but makes no warranty as to such.

* N/E: Not Established, N/A: Not Available, N/R: Not Regulated by IARC