


SAFETY DATA SHEETS

This SDS packet was issued with item:

075897202

N/A

Safety Data SheetTrade Name: **EMBRACE™ WetBond™ Pit and Fissure Sealants**

| 1.0 Commercial Product Name and Supplier | | | | | | | | | | | | | | | | |
|---|--|-------------------------|------------------------|-------------------------|----------------|---|------|---------|---|------|-----------------|---|------|--------------------|---|------|
| 1.1 | Commercial product name <i>Embrace™ WetBond™ Pit and Fissure Sealant, Natural Shade</i> <i>Embrace™ WetBond™ Pit and Fissure Sealant, Off-White Shade</i> <i>Embrace™ WetBond™ Pit and Fissure Sealant, Low Fill</i> | | | | | | | | | | | | | | | |
| 1.2 | Application / Use Dental material for use by dental professional only. | | | | | | | | | | | | | | | |
| 1.2.2 | SIC 851 Human health activity | | | | | | | | | | | | | | | |
| 1.2.3 | Use Category 55 | | | | | | | | | | | | | | | |
| 1.3 | Manufacturer Pulpdent Corporation 80 Oakland Street P.O. Box 780 Watertown, MA 02472 USA Telephone: 1 617 926-6666 Fax: 1 617 926-6262 Email: Pulpdent@pulpdent.com | | | | | | | | | | | | | | | |
| 1.4 | Emergency Telephone Number 1-800-535-5053 (24 Hour / USA) | | | | | | | | | | | | | | | |
| 1.5 | Authorized European Representative Advena Limited Tower Business Centre, 2nd Floor, Tower Street, Swatar, BKR 4013 Malta | | | | | | | | | | | | | | | |
| 2.0 Hazards Identification | | | | | | | | | | | | | | | | |
| 2.1 | Classification | | | | | | | | | | | | | | | |
| 2.1.1 | Classification according to Regulation (EC) No 1272/2008 [CLP] | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th><u>Hazard Class</u></th> <th><u>Hazard Category</u></th> <th><u>Hazard Statement</u></th> </tr> </thead> <tbody> <tr> <td>Eye irritation</td> <td>2</td> <td>H319</td> </tr> <tr> <td>STOT SE</td> <td>3</td> <td>H335</td> </tr> <tr> <td>Skin irritation</td> <td>2</td> <td>H315</td> </tr> <tr> <td>Skin sensitization</td> <td>1</td> <td>H317</td> </tr> </tbody> </table> | <u>Hazard Class</u> | <u>Hazard Category</u> | <u>Hazard Statement</u> | Eye irritation | 2 | H319 | STOT SE | 3 | H335 | Skin irritation | 2 | H315 | Skin sensitization | 1 | H317 |
| <u>Hazard Class</u> | <u>Hazard Category</u> | <u>Hazard Statement</u> | | | | | | | | | | | | | | |
| Eye irritation | 2 | H319 | | | | | | | | | | | | | | |
| STOT SE | 3 | H335 | | | | | | | | | | | | | | |
| Skin irritation | 2 | H315 | | | | | | | | | | | | | | |
| Skin sensitization | 1 | H317 | | | | | | | | | | | | | | |
| 2.1.2 | Classification according to Directive 67/548/EEC Irritant; Xi; R 36/37/38 – 43 (See SECTION 16 for full text of risk phrases) | | | | | | | | | | | | | | | |
| 2.2 | GHS Label Elements Hazard Pictograms | | | | | | | | | | | | | | | |
| |  | | | | | | | | | | | | | | | |
| | Signal Word: WARNING | | | | | | | | | | | | | | | |
| | Restricted to use by dental professional only. | | | | | | | | | | | | | | | |
| | Hazard Statements H319: Eye irritation. 2. May cause eye irritation. H335: STOT SE. 3. May cause respiratory irritation. H315: Skin irritation. 2. May cause skin irritation. H317: Sensitization. 1. May cause an allergic skin reaction. | | | | | | | | | | | | | | | |
| | Precautionary Statements P261: Avoid breathing vapor. P280: Wear protective gloves and eye protection P305+P351: If in eyes, rinse cautiously with water for several minutes. P337+P313: If eye irritation persists, get medical advice/attention. P302+P352: If on skin, wash with plenty of soap and water. P333+P313: If irritation or rash occurs, get medical advice/attention. | | | | | | | | | | | | | | | |

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P410+P411: Protect from sunlight. Store at temperature not exceeding 27°C / 80°F.

3.0 Composition

3.1 Chemical characterization of the preparation: Acrylate ester monomers, glass-filled paste.

3.2 Hazardous ingredients

| CAS Number | Name of the Ingredient | Concentration | Classification per 67/548/EEC | Classification per Regulation (EC) No.1272/2008 (CLP). |
|-------------|---------------------------------|---------------|---------------------------------|---|
| Proprietary | Uncured acrylate ester monomers | 55-60% | Irritant; Xi R 3637//38 - 43 | Eye irritation, 2, H319 STOT SE 3, H335 Skin irritation, 2, H315 Skin sensitization, 1, H317 |
| 112945-52-5 | Silica, amorphous | 5 % | Irritant; Xi, R 36/37/38 | Eye irritation, 2, H319 STOT SE 3, H335 Skin irritation, 2, H315 |

4.0 First Aid Measures

| | | |
|-----|----------------------------------|--|
| 4.1 | General Information | May be irritating to eyes, respiratory system and skin. Avoid contact with eyes and skin. Do not inhale vapors. May cause sensitization by skin contact. Show this safety data sheet to medical personnel. Get medical attention in case of uncertainty. |
| 4.2 | Inhalation | Move to fresh air. If necessary, administer oxygen and/or artificial respiration. Seek medical attention. |
| 4.3 | Skin Contact | Take off contaminated clothing. Wash skin thoroughly with soap and water. |
| 4.4 | Eye Contact | Keep eyelids apart; flush with running water for 15+ minutes. Get medical attention. |
| 4.5 | Ingestion | Rinse mouth with water. Do not induce vomiting. Get immediate medical attention. May be irritating to mucous membranes. Never give anything by mouth to an unconscious person. |
| 4.6 | Precautions for first responders | Ventilate the area. Wear eye and skin protection. |
| 4.7 | Information for physicians | |
| | Symptoms | Irritation or redness in eyes, throat or on skin. |
| | Hazards | May be irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. |
| | Treatment | As above under First Aid. |

5.0 Fire Fighting Measures

| | | |
|-----|--|---|
| 5.1 | Suitable extinguishing media | Carbon dioxide, dry chemical, alcohol foam, or water fog. Water spray may be used to keep fire exposed containers cool. |
| 5.2 | Extinguishing media to avoid | Do not use direct water stream |
| 5.3 | Special exposure hazards in a fire | Heat may cause polymerization with rapid release of energy. |
| 5.4 | Special protective equipment for fire-fighters | Self-contained breathing apparatus |

6.0 Accidental Release Measures

6.1 Personal precautions. Wear safety glasses, gloves and lab coat.

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|-----|---------------------------|--|
| 6.2 | Environmental precautions | Avoid releasing large amounts of uncured material into the environment. Cured / set-up material is, to our knowledge, inert. |
| 6.3 | Method for clean up | Contain spilled material. Absorb or wipe up spill with paper towels or cloths. Collect for disposal in a covered container. Wash area of spill with alcohol or soap and water. |

7.0 Handling and Storage

| | | |
|-----|---------------|--|
| 7.1 | Handling | For use only by dental professionals. Follow good hygiene practices. Avoid direct/strong light sources, extremes of temperature (>27°C/80°F, <5°C/40°F), contamination. Recap immediately after use. |
| 7.2 | Storage | Store product tightly capped in original container at cool room temperature (<25°C). Avoid direct/strong light, sources of ignition and extremes of temperature. Shelf life for unopened product is two years from date of manufacture, provided that the material has been stored properly. |
| 7.3 | Specific uses | Dental restorative materials |

8.0 Exposure Controls / Personal Protection

| | | |
|---------|---------------------------------|--|
| 8.1 | Exposure limit values | PEL: Not established. TLV: Not established. |
| 8.2 | Exposure controls | |
| 8.2.1 | Occupational exposure controls | No special equipment required under normal conditions of use. |
| 8.2.1.1 | Respiratory protection | Good general ventilation will control airborne vapors from uncured material. |
| 8.2.1.2 | Hand protection | No special requirements other than the surgical gloves worn by dental staff. |
| 8.2.1.3 | Eye protection | No special requirements other than the usual safety glasses. |
| 8.2.1.4 | Skin protection | Good personal hygiene and safety practices; wearing a lab coat.. |
| 8.2.1.5 | Other controls | Emergency eye wash fountain should be available. Wash hands after use. |
| 8.2.2 | Environmental exposure controls | Cure material before disposing. |

9.0 Physical and Chemical Properties

| | | |
|-------|--|--|
| 9.1 | Appearance | |
| 9.1.1 | Color / Physical state | Natural tooth shade or off-white thin paste. |
| 9.1.2 | Odor | Faint, characteristic |
| 9.2 | Important health, safety and environmental information | |
| 9.2.1 | pH | Not determined |
| 9.2.2 | Boiling point | Not determined |
| 9.2.3 | Flash point | Not determined |
| 9.2.4 | Flammability (solid, gas) | Not applicable |
| 9.2.5 | Explosive properties | Not applicable |
| 9.2.6 | Oxidizing properties | Not determined |
| 9.2.7 | Vapor pressure | < 1 mm Hg |
| 9.2.8 | Specific gravity | 1.575 |
| 9.2.9 | Solubility in water | Nil |

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|-------------|--|---|
| 9.2.10 | Partition coefficient | Not determined |
| 9.2.11 | Viscosity | Not determined |
| 9.2.12 | Vapor density | Not determined |
| 9.2.13 | Evaporation rate | Not determined |
| 10.0 | Stability and reactivity | |
| 10.1 | Conditions to avoid | Temperature > 38°C, intense light. |
| 10.2 | Materials to avoid | Reducing and oxidizing agents, peroxides, amines. |
| 10.3 | Hazardous decomposition products | Under fire conditions and with amounts greater than that supplied in this product, hazardous polymerization may occur with heat build-up, release of carbon monoxide, carbon dioxide, and oxides of nitrogen. |
| 10.4 | Further information | Stable material if stored and used as directed. Polymerization will occur when light-cured material is exposed to direct light. |
| 11.0 | Toxicological information | |
| 11.1 | Acute toxicity | Not toxic. Minimal health hazard in the quantity present in this product and under normal conditions of use. |
| 11.2 | Irritation and corrosiveness | May be irritating to eyes, respiratory tract, mucous membranes or skin on contact or with prolonged exposure. |
| 11.3 | Sensitization | May be sensitizing. Prolonged or frequent skin contact may cause allergic skin reactions in some susceptible individuals. |
| 11.4 | Sub-acute, sub-chronic and prolonged toxicity | Prolonged/frequent skin contact may cause allergic skin reactions in susceptible individuals. Prolonged exposure to large amounts (more than in this product) may cause eye and respiratory irritation. |
| 11.5 | Carcinogenicity, Mutagenicity, Reproductive Toxicity | None known |
| 11.6 | Empirical data | Not available |
| 11.7 | Clinical experience | Embrace Sealants have been sold in the US and internationally for more than 15 years. There have been no reports of adverse events. |
| 12.0 | Ecological Information | |
| 12.1 | Ecotoxicity | Avoid release of uncured material into the environment. To the best of our knowledge, polymerized material is inert. No other information is available. Follow all government regulations. |
| 13.0 | Disposal Considerations | |
| 13.1 | Regulations | Follow all local and national government regulations in disposing material or contaminated packaging. |
| 14.0 | Transport Information | |
| 14.1 | Restrictions | None. Not regulated. |
| 15.0 | Regulatory Information | |
| 15.1 | EU | Class IIa medical devices under MDD 93/42/EEC. |
| 15.2 | US FDA | Class II medical devices. |

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|------|---|---|
| 15.3 | Health Canada | Class III medical devices |
| 16.0 | Other information | |
| 16.1 | List of relevant R phrases | R 36 / 3 7/ 38: Irritating to eyes, respiratory system and skin. R 43: Sensitizing by skin contact. |
| 16.2 | Hazard Statements | H319: Eye irritation. Hazard category 2. H335: Specific Target Organ Toxicity - Single exposure; hazard category. 3. Respiratory tract irritation. H315: Skin irritation. Hazard category 2. H317: Skin Sensitization. Hazard category 1. |
| 16.3 | Precautionary Statements | P261: Avoid breathing vapor. P280: Wear protective gloves and eye protection P305 + P351: If in eyes, rinse cautiously with water for several minutes. P337 + P313: If eye irritation persists, get medical advice/attention. P302 + P352: If on skin, wash with plenty of soap and water. P333 + P313: If irritation or rash occurs, get medical advice / attention. P410 + P411: Protect from sunlight. Store at temperature ≤ 27°C / 80°F. |
| 16.4 | Restrictions on use | For use by dental professionals only. |
| 16.5 | Further information | The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate. |
| 16.6 | Sources of key data | National Institute for Occupational Safety (NIOSH) US Occupational Safety and Health Administration (OSHA) Eur-Lex European Union Law: Regulation (EC) No. 1272/2008 (CLP) and Regulation (EC) No. 1907/2006 (REACH). Guidance on the compilation of safety data sheets. Version 1.1; December 2011. European Chemicals Agency |
| 16.7 | Information which has been added, deleted or revised. | This Safety Data Sheet has been revised to meet the requirements of GHS SDS format and Regulations (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH). Specifically Sections 2.1, 2.2, 3.2, 16.2, 16.3 have been modified. |