

# MATERIAL SAFETY DATA SHEET

## SECTION I – Product/Company Identification

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|--|--|
| <b>1.1 Product Trade Name:</b>               | <b>AQUASIL ULTRA MONOPHASE, AQUASIL ULTRA RIGID, AQUASIL ULTRA XLV, AQUASIL ULTRA LV, AQUASIL ULTRA HEAVY-Smart Wetting<sup>®</sup> Impression Material - Including AQUASIL ULTRA DECA<sup>™</sup> Smart Wetting<sup>®</sup> Impression Material for Dynamic Mixing Machines</b> |
| <b>1.2 Part (Item) Number:</b>               | <b>678000 – 678999 All Package Configurations</b>  |
| <b>1.3 Division Name:</b>                    | DENTSPLY Caulk   |
| <b>1.4 Address:</b>                          | 38 West Clarke Avenue  |
| <b>City State Zip:</b>                       | Milford DE 19963-0359  |
| <b>Internet Address:</b>                     | <a href="http://www.caulk.com">http://www.caulk.com</a>  |
| <b>1.5 Emergency Telephone Number:</b>       | (800) 424-9300 (Chemtrec)  |
| <b>1.6 Telephone Number for Information:</b> | (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)  |
| <b>1.7 Date Prepared:</b>                    | 1/8/02 <b>Date Revised:</b> 05/19/03   |

## SECTION II - Hazardous Ingredients/Identity Information

| <u>Hazardous Components</u>                    | <u>OSHA PEL</u>        | <u>ACGIH TLV</u>       |       |
|--|------------------------|------------------------|-------|
| Silica as dust (Amorphous )                    | 1.2 mg/m <sup>3</sup>  | 10 mg/m <sup>3</sup>   |       |
| Silica as dust (Crystalline)                   | 0.05 mg/m <sup>3</sup> | 0.05 mg/m <sup>3</sup> |       |
| Sodium aluminosilicate                         | 10 mg/m <sup>3</sup>   | 10 mg/m <sup>3</sup>   |       |
| Vinyl dimethyl terminated polydimethylsiloxane | N. E.                  | N. E.                  |       |
| Silicone Surfactant                            | N. E.                  | N. E.                  |       |
| Polymethylhydrogen siloxane (In Base Only)     | N. E.                  | N. E.                  |       |
| Organic Platinum Complex (In Catalyst Only)    |                        | N. E.                  | N. E. |

## SECTION III - Physical/Chemical Characteristics

|                                 |  |                              |  |
|---------------------------------|--|------------------------------|--|
| <b>3.1 Boiling point:</b>       | >200°C                                 | <b>3.6 Specific Gravity:</b> | Varies from 1.0 g/cm <sup>3</sup> to 1.5 g/cm <sup>3</sup> |
| <b>3.2 Vapor pressure:</b>      | N. A.                                  |                              | depending upon viscosity.                                  |
| <b>3.3 Vapor density:</b>       | N. A.                                  | <b>3.7 Melting Point:</b>    | N. E.  |
| <b>3.4 Solubility in water:</b> | Not Soluble                            | <b>3.8 Evaporation rate:</b> | <1   |
| <b>3.5 Appearance and odor:</b> | Various colored pastes with mint odor. |                              |  |

## SECTION IV – Fire and Explosion Hazard Data

|  |   |
|--|---|
| <b>4.1 Flash point (method used):</b>          | > 415°F (Pensky Martin CC ASTM 093)   |
| <b>4.2 Flammability (explosive limits):</b>    | <b>LEL: N.E. UEL: N.E.</b>  |
| <b>4.3 Extinguishing media:</b>                | Sand, foam, carbon dioxide, or dry chemical.  |
| <b>4.4 Special fire fighting procedures:</b>   | Fire fighter should wear full protective clothing including a self-contained breathing apparatus. |
| <b>4.5 Unusual fire and explosion hazards:</b> | During a fire, irritating gasses from the decomposition of the silicone resins may be present.    |

## SECTION V – Reactivity Data

|   |   |                          |
|---|---|--------------------------|
| <b>5.1 Stability:</b>                             | <b>Unstable:</b>  | <b>Stable:</b> X         |
| <b>5.2 Conditions to avoid (stability):</b>       | Heat greater than 60°C (140°F)                                |                          |
| <b>5.3 Incompatibility (materials to avoid):</b>  | Condensation silicones, tin and sulfur, amines and peroxides. |                          |
| <b>5.4 Hazardous decomposition or byproducts:</b> | N.E.  |                          |
| <b>5.5 Hazardous polymerization:</b>              | <b>May occur:</b>   | <b>Will not occur:</b> X |
| <b>5.6 Conditions to avoid (polymerization):</b>  | Extreme heat.   |                          |

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## SECTION VI – Health Hazard Data

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- 6.1 Route(s) of entry:** **Inhalation?:** No **Skin?:** Yes **Ingestion?:** Yes
- 6.2 Health hazards (acute and chronic):** Contact with eyes and skin may cause irritation. In susceptible persons, skin reactions may occur. This is short term and should go away after washing with soap and water.
- 6.3 Carcinogenicity:** **NTP?:** Not listed **IARC monographs?:** Not listed **OSHA Regulated?:** No  
All components of this product are in compliance with the inventory listing requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- 6.4 Signs and symptoms of exposure:** Product may irritate the eyes and skin. **Eye contact:** irritation and possible corneal damage. **Skin contact:** irritation or possible allergic response. Reddish rashes may be seen on the skin. **Ingestion:** Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD<sub>50</sub> >2,000mg/kg.
- 6.5 Medical conditions generally aggravated by exposure:** Possible skin rashes.
- 6.6 Emergency first aid procedures:** In case of eye contact, flush with flowing water for 15 minutes and get medical attention. **Skin:** Flush with flowing water for 15 minutes, then wash area with mild soap and water. Call physician.
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## SECTION VII - Precautions for Safe Handling and Use

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- 7.1 Steps to be taken in case material is released or spilled:** Spread vermiculite on paste to absorb any resin. Scoop up and place in an appropriately marked container.
- 7.2 Waste disposal methods:** Dispose of in accordance with Federal, State and Local regulations.
- 7.3 Precautions to be taken in handling and storage:** Store away from food and beverages. Store away from extreme heat.
- 7.4 Other precautions:** Observe normal warehouse handling procedures.
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## SECTION VIII – Control Measures / Personal Protection

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- 8.1 Respiratory protection:** None required during normal use of this product.
- 8.2 Ventilation:** Local exhaust recommended.
- 8.3 Protective gloves:** Vinyl gloves. Latex or Rubber gloves may inhibit set.
- 8.4 Eye protection:** Protective goggles.
- 8.5 Other protective clothing or equipment:** Apron.
- 8.6 Work/Hygienic practices:** Observe normal care when working with chemicals.

| NFPA HAZARD CLASSIFICATIONS |       |
|-----------------------------|-------|
| Health                      | 0     |
| Flammability                | 1     |
| Reactivity                  | 0     |
| Specific Hazard             | N. A. |

NFPA - National Fire Protection Association  
N.A. - Not Applicable  
N.E. - Not Established

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