

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

075914452

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

075914478

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

075896113 075914445 075914460

## Safety Data Sheet

Trade Name: **DenTASTIC UNO-DUO**

| 1.0 Commercial Product Name and Supplier                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------|------------------------------------------------------|------------------|---------------------------|------|------------------------------------------------------|----------------|--------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------|------|---------------------------------------------------------------|-----------------|--------------------------------------------------------|--------------|----------------------------------|--------------------|--------------------------------------------------------------------------|------|
| 1.1                                                                                                                            | Commercial product name / designation<br><i>DenTASTIC UNO-DUO</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 1.2                                                                                                                            | Application / Use<br>Dental bonding agent for use by dentists.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 1.2.2                                                                                                                          | SIC<br>851 Human health activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 1.2.3                                                                                                                          | Use Category<br>55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 1.3                                                                                                                            | Manufacturer<br><b>Pulpdent Corporation</b><br>80 Oakland Street, P.O. Box 780<br>Watertown, MA 02472 USA<br>Telephone: 1 617 926-6666<br>Fax: 1- 617 926-6262<br>Email: <a href="mailto:Pulpdent@pulpdent.com">Pulpdent@pulpdent.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 1.4                                                                                                                            | Emergency Telephone Number<br>1-800-535-5053 (24 Hour / USA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 1.5                                                                                                                            | Authorized European Representative<br>Advena Ltd.<br>Pure Offices, Plato Close<br>Warwick, CV34 6WE<br>United Kingdom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 2.0 Hazards Identification                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 2.1                                                                                                                            | Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 2.1.1                                                                                                                          | <table><tr><th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th><th>Hazard Class</th><th>Hazard Category</th><th>Hazard Statement</th></tr><tr><td></td><td>Flammable liquid</td><td>2</td><td>H225</td></tr><tr><td></td><td>Eye irritation</td><td>2</td><td>H319</td></tr><tr><td></td><td>STOT SE</td><td>3</td><td>H335</td></tr><tr><td></td><td>Skin irritation</td><td>2</td><td>H315; EUH066</td></tr><tr><td></td><td>Skin sensitization</td><td>1</td><td>H317</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                           | Hazard Class                                                                                                                                                            | Hazard Category            | Hazard Statement |                                                      | Flammable liquid | 2                         | H225 |                                                      | Eye irritation | 2                                                | H319 |                                                                                                                                | STOT SE | 3                                         | H335 |                                                               | Skin irritation | 2                                                      | H315; EUH066 |                                  | Skin sensitization | 1                                                                        | H317 |
| Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                | Hazard Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hazard Category                                                                                           | Hazard Statement                                                                                                                                                        |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
|                                                                                                                                | Flammable liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                                                                                                         | H225                                                                                                                                                                    |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
|                                                                                                                                | Eye irritation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                                                                         | H319                                                                                                                                                                    |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
|                                                                                                                                | STOT SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                                                                                                         | H335                                                                                                                                                                    |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
|                                                                                                                                | Skin irritation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                                         | H315; EUH066                                                                                                                                                            |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
|                                                                                                                                | Skin sensitization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                         | H317                                                                                                                                                                    |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 2.1.2                                                                                                                          | <table><tr><td><b>Classification according to Directive 67/548/EEC</b><br/>(See SECTION 16 for full text of risk phrases)</td><td>Flammable (F), Irritant (Xi). R11- 36 / 37 / 38; R 43; R66</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Classification according to Directive 67/548/EEC</b><br>(See SECTION 16 for full text of risk phrases) | Flammable (F), Irritant (Xi). R11- 36 / 37 / 38; R 43; R66                                                                                                              |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| <b>Classification according to Directive 67/548/EEC</b><br>(See SECTION 16 for full text of risk phrases)                      | Flammable (F), Irritant (Xi). R11- 36 / 37 / 38; R 43; R66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| 2.2                                                                                                                            | <table><tr><td><b>GHS Label Elements</b><br/>Hazard Pictograms</td><td></td></tr><tr><td colspan="2">Signal Word: <b>DANGER</b></td></tr><tr><td colspan="2"><b>Restricted to use by dental professional only</b></td></tr><tr><td colspan="2"><b>Hazard Statements:</b></td></tr><tr><td colspan="2">H225: Highly flammable liquid and vapor. Category 2.</td></tr><tr><td colspan="2">H319: Causes serious eye irritation. Category 2.</td></tr><tr><td colspan="2">H335: Specific Target Organ Toxicity (STOT), single exposure, respiratory tract, Category 3: May cause respiratory irritation.</td></tr><tr><td colspan="2">H315: Causes skin irritation. Category 2.</td></tr><tr><td colspan="2">EUH066: Repeated exposure may cause skin dryness or cracking.</td></tr><tr><td colspan="2">H317: May cause an allergic skin reaction. Category 2.</td></tr><tr><td colspan="2"><b>Precautionary Statements:</b></td></tr><tr><td colspan="2">P210: Keep away from heat, sparks, open flame, hot surfaces. No smoking.</td></tr></table> | <b>GHS Label Elements</b><br>Hazard Pictograms                                                            |   | Signal Word: <b>DANGER</b> |                  | <b>Restricted to use by dental professional only</b> |                  | <b>Hazard Statements:</b> |      | H225: Highly flammable liquid and vapor. Category 2. |                | H319: Causes serious eye irritation. Category 2. |      | H335: Specific Target Organ Toxicity (STOT), single exposure, respiratory tract, Category 3: May cause respiratory irritation. |         | H315: Causes skin irritation. Category 2. |      | EUH066: Repeated exposure may cause skin dryness or cracking. |                 | H317: May cause an allergic skin reaction. Category 2. |              | <b>Precautionary Statements:</b> |                    | P210: Keep away from heat, sparks, open flame, hot surfaces. No smoking. |      |
| <b>GHS Label Elements</b><br>Hazard Pictograms                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| Signal Word: <b>DANGER</b>                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| <b>Restricted to use by dental professional only</b>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| <b>Hazard Statements:</b>                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| H225: Highly flammable liquid and vapor. Category 2.                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| H319: Causes serious eye irritation. Category 2.                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| H335: Specific Target Organ Toxicity (STOT), single exposure, respiratory tract, Category 3: May cause respiratory irritation. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| H315: Causes skin irritation. Category 2.                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| EUH066: Repeated exposure may cause skin dryness or cracking.                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| H317: May cause an allergic skin reaction. Category 2.                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| <b>Precautionary Statements:</b>                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |
| P210: Keep away from heat, sparks, open flame, hot surfaces. No smoking.                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                                                                                                                                                         |                            |                  |                                                      |                  |                           |      |                                                      |                |                                                  |      |                                                                                                                                |         |                                           |      |                                                               |                 |                                                        |              |                                  |                    |                                                                          |      |

## Safety Data Sheet

Trade Name: **DenTASTIC UNO-DUO**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P261: Avoid breathing fumes.

P280: Wear protective gloves/ clothing and eye protection.

P304+P340: If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: If on skin or hair, remove contaminated clothing. Rinse skin with water.

P370+P378: In case of fire, use dry chemical, alcohol foam, or carbon dioxide for extinction.

### 3.0 Composition

3.1 Chemical characterization of the preparation: Methacrylate ester monomers in acetone vehicle.

3.2 Hazardous ingredients

| CAS Number | Name of the ingredient      | Concentration | Classification per 67/548/EEC                         | Classification per Regulation (EC) No.1272/2008 (CLP).                                                           |
|------------|-----------------------------|---------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 67-64-1    | Acetone                     | 50% to 80%    | Flammable (F);<br>Irritant (Xi).<br>R11- 36/ 37/38-66 | Flammable liquid; Category 2<br>Eye irritation; Category 2<br>STOT SE; Category 3<br>Skin irritation; Category 2 |
| ----       | Methacrylate ester monomers | 5% to 50%     | Irritant (Xi). R 43                                   | Skin sensitization; Category 1                                                                                   |

### 4.0 First Aid Measures

|     |                                  |                                                                                                                                                                                                                                                                                                                          |
|-----|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1 | General Information              | Acetone may cause irritation of eyes or skin on contact. Exposure to >750 ppm may cause irritation of respiratory tract, mucous membranes. Methacrylate may cause sensitization of skin with prolonged/repeated contact. Show this safety data sheet to medical personnel. Get medical attention in case of uncertainty. |
| 4.2 | Eye Contact                      | Keep eyelids apart and flush with running water for 15+ minutes. Get medical attention.                                                                                                                                                                                                                                  |
| 4.3 | Skin Contact                     | Remove any contaminated clothing. Immediately wash skin well with mild soap and running water. Use hand cream. Get medical attention if irritation persists.                                                                                                                                                             |
| 4.4 | Ingestion                        | Rinse mouth with water. Drink water to dilute, but only if person is conscious. Do not induce vomiting. Get immediate medical attention.                                                                                                                                                                                 |
| 4.5 | Inhalation                       | Move to fresh air. If necessary, administer oxygen and/or artificial respiration and seek medical attention.                                                                                                                                                                                                             |
| 4.6 | Precautions for first responders | Ventilate the area. Wear safety glasses and gloves to prevent contact.                                                                                                                                                                                                                                                   |
| 4.7 | Information for physicians       |                                                                                                                                                                                                                                                                                                                          |
|     | Symptoms                         | Irritation, pain or redness in eyes, throat or on skin. Headache, fatigue. Nervous system depressant.                                                                                                                                                                                                                    |

## Safety Data Sheet

Trade Name: **DenTASTIC UNO-DUO**

|            |                                                |                                                                                                                                                                                                                                                                                                                                               |
|------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazards    |                                                | Acetone may cause irritation of eyes or skin on contact. Exposure to >750 ppm may cause irritation of respiratory tract and mucous membranes. Persons with chronic respiratory or skin disease are at increased risk with prolonged exposure to acetone. Methacrylate may cause sensitization of skin with prolonged and/or repeated contact. |
| Treatment  |                                                | Same as above under First Aid.                                                                                                                                                                                                                                                                                                                |
| <b>5.0</b> | <b>Fire Fighting Measures</b>                  |                                                                                                                                                                                                                                                                                                                                               |
| 5.1        | Suitable extinguishing media                   | Use dry chemical, alcohol foam, or carbon dioxide. Water may be ineffective, but should be used to keep fire-exposed containers cool.                                                                                                                                                                                                         |
| 5.2        | Extinguishing media to avoid                   | Water may be ineffective, but will keep fire-exposed containers cool.                                                                                                                                                                                                                                                                         |
| 5.3        | Special exposure hazards in a fire             | Thermal decomposition may produce toxic oxides of carbon.                                                                                                                                                                                                                                                                                     |
| 5.4        | Special protective equipment for fire-fighters | Self-contained breathing apparatus                                                                                                                                                                                                                                                                                                            |
| <b>6.0</b> | <b>Accidental Release Measures</b>             |                                                                                                                                                                                                                                                                                                                                               |
| 6.1        | Personal precautions.                          | Wear chemical splash goggles, gloves and lab coat.                                                                                                                                                                                                                                                                                            |
| 6.2        | Environmental precautions                      | Avoid releasing large quantities into environment.                                                                                                                                                                                                                                                                                            |
| 6.3        | Method for clean up                            | For small quantities (as in this product): Wear gloves and safety glasses. Wipe up with absorbent material, such as paper or cloth. Rinse area of spill with soap and water. Place all absorbent material in closed container away from heat, sparks, sun and oxidizers.                                                                      |
| <b>7.0</b> | <b>Handling and Storage</b>                    |                                                                                                                                                                                                                                                                                                                                               |
| 7.1        | Handling                                       | For professional use only. Avoid cross-contamination. Avoid sources of ignition, intense light. Empty containers may retain residual product; handle appropriately. Keep tightly capped in original container.                                                                                                                                |
| 7.2        | Storage                                        | Replace cap over applicator tip immediately after use. Keep tightly capped in original container. Store at cool room temperature in a well-ventilated area. Avoid extremes of temperature (>27°C/80°F, <5°C/40°F), sparks, direct sunlight, oxidizing agents. Vapor may form flammable mixtures with air.                                     |
| 7.3        | Specific uses                                  | Dental adhesive                                                                                                                                                                                                                                                                                                                               |
| <b>8.0</b> | <b>Exposure Controls / Personal Protection</b> |                                                                                                                                                                                                                                                                                                                                               |
| 8.1        | Exposure limit values                          | Acetone: 750 ppm                                                                                                                                                                                                                                                                                                                              |
| 8.2        | Exposure controls                              |                                                                                                                                                                                                                                                                                                                                               |
| 8.2.1      | Occupational exposure controls                 | Wear chemical splash goggles, gloves, lab coat. No other special equipment or ventilation required under normal conditions of use. For large quantities/prolonged exposure, use enclosure, local ventilation and dilution to reduce concentration below TLV.                                                                                  |
| 8.2.1.1    | Respiratory protection                         | Good general ventilation is sufficient to control any airborne vapors.                                                                                                                                                                                                                                                                        |
| 8.2.1.2    | Hand protection                                | No special requirements. Surgical gloves will limit contact.                                                                                                                                                                                                                                                                                  |
| 8.2.1.3    | Eye protection                                 | Safety glasses.                                                                                                                                                                                                                                                                                                                               |
| 8.2.1.4    | Skin protection                                | No special requirements.                                                                                                                                                                                                                                                                                                                      |

**Safety Data Sheet**Trade Name: **DenTASTIC UNO-DUO**

|         |                                 |                                                                                                                                                                      |
|---------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.2.1.5 | Other controls                  | Emergency eye wash fountain should be close by. Do not eat, drink or smoke. Avoid contact with eyes, skin or clothing. Avoid breathing vapors. Wash hands after use. |
| 8.2.2   | Environmental exposure controls | Follow all government regulations.                                                                                                                                   |

**9.0 Physical and Chemical Properties**

|        |                                                        |                                                                    |
|--------|--------------------------------------------------------|--------------------------------------------------------------------|
| 9.1    | Appearance / Color                                     |                                                                    |
| 9.1.1  | Color                                                  | UNO: Yellow resinous liquid; DUO: Pale yellow to amber thin liquid |
| 9.1.2  | Odor                                                   | Characteristic, sweet, mint-like acetone odor                      |
| 9.2    | Important health, safety and environmental information |                                                                    |
| 9.2.1  | pH                                                     | Not applicable                                                     |
| 9.2.2  | Boiling point                                          | Boiling Point: 56.5°C                                              |
| 9.2.3  | Flash point                                            | -18°C (Tag closed cup)                                             |
| 9.2.4  | Ignition temperature                                   | Not determined                                                     |
| 9.2.5  | Explosive properties                                   | Lower 2.5          Upper 12.8                                      |
| 9.2.6  | Odor threshold                                         | 159 ppm                                                            |
| 9.2.7  | Vapor pressure                                         | 180 mm Hg / 239.98 mbar / Id: E                                    |
| 9.2.8  | Specific gravity                                       | DenTASTIC UNO: 0.788; DUO: 0.795                                   |
| 9.2.9  | Solubility in water                                    | Acetone: Very soluble. Resins: Insoluble                           |
| 9.2.10 | Partition coefficient                                  | Not determined                                                     |
| 9.2.11 | Viscosity                                              | Not determined                                                     |
| 9.2.12 | Vapor density                                          | 2                                                                  |
| 9.2.13 | Evaporation rate                                       | 6                                                                  |

**10.0 Stability and reactivity**

|      |                                  |                                                                                                                                              |
|------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1 | Conditions to avoid              | Heat, sparks, open flame, cross-contamination.                                                                                               |
| 10.2 | Materials to avoid               | Acetyl chloride, acids, bases, amines, bromines, chloroform, hydrogen peroxide, strong oxidizers, plastics, rayon, ketones and acetaldehyde. |
| 10.3 | Hazardous decomposition products | Thermal decomposition may produce toxic oxides of carbon.                                                                                    |
| 10.4 | Further information              | Stable if stored and used as directed.                                                                                                       |

**11.0 Toxicological information**

|      |                              |                                                                                                                                                                                                                                                      |
|------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.1 | Acute toxicity               | Minimal health hazard under normal conditions of dental practice. For large quantities/prolonged exposure, acetone is a significant health hazard. LD <sub>50</sub> in rats: 10.7 ml/kg orally. Exposure to >750 ppm may irritate respiratory tract. |
| 11.2 | Irritation and corrosiveness | May cause irritation of eyes or skin on contact. May cause irritation of respiratory tract if inhaled.                                                                                                                                               |
| 11.3 | Sensitization                | Prolonged or repeated exposure may cause sensitization.                                                                                                                                                                                              |

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|                                     |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.4                                | Sub-acute, sub-chronic and prolonged toxicity        | No chronic health hazard under normal conditions of use. Prolonged and/or repeated exposure to methacrylates may cause sensitization. Prolonged and/or repeated exposure to acetone may cause skin to dry and crack.                                                                                                                                                                                               |
| 11.5                                | Carcinogenicity, Mutagenicity, Reproductive Toxicity | None known                                                                                                                                                                                                                                                                                                                                                                                                         |
| 11.6                                | Empirical data                                       | None available                                                                                                                                                                                                                                                                                                                                                                                                     |
| 11.7                                | Clinical experience                                  | Dental adhesives with an acetone base have been used for decades with a high benefit-to-risk ratio. There is no evidence of short-term or long-term risk or any problems after thousands of procedures.                                                                                                                                                                                                            |
| <b>12.0 Ecological Information</b>  |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 12.1                                | Ecotoxicity                                          | Follow good working practices and all government regulations. Avoid release into environment.                                                                                                                                                                                                                                                                                                                      |
| <b>13.0 Disposal Considerations</b> |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 13.1                                | Regulations                                          | Follow all local and national government regulations in disposing material or contaminated packaging.                                                                                                                                                                                                                                                                                                              |
| <b>14.0 Transport Information</b>   |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 14.1                                | UN Number                                            | 1090                                                                                                                                                                                                                                                                                                                                                                                                               |
| 14.2                                | Technical name                                       | Acetone                                                                                                                                                                                                                                                                                                                                                                                                            |
| 14.3                                | Packing group                                        | Packing Group II                                                                                                                                                                                                                                                                                                                                                                                                   |
| 14.4                                | IATA class                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>15.0 Regulatory Information</b>  |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15.1                                | EU                                                   | Class IIa medical devices under MDD 93/42/EEC.                                                                                                                                                                                                                                                                                                                                                                     |
| 15.2                                | US FDA                                               | Class II medical devices.                                                                                                                                                                                                                                                                                                                                                                                          |
| 15.3                                | Health Canada                                        | Class III medical devices                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>16.0 Other information</b>       |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 16.1                                | List of relevant R phrases                           | R11: Highly flammable<br>R 36 / 37 / 38: Irritating to eyes, respiratory system and skin.<br>R43: May cause sensitization by skin contact<br>R66: Repeated exposure may cause skin dryness or cracking.                                                                                                                                                                                                            |
| 16.2                                | Hazard Statements                                    | H225: Highly flammable liquid and vapor. Category 2.<br>H319: Causes serious eye irritation. Category 2.<br>H335: Specific Target Organ Toxicity (STOT), single exposure, respiratory tract, Category 3: May cause respiratory irritation.<br>H315: Causes skin irritation. Category 2.<br>EUH066: Repeated exposure may cause skin dryness or cracking.<br>H317: May cause an allergic skin reaction. Category 2. |

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|      |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.3 | Precautionary Statements                              | <p>P210: Keep away from heat, sparks, open flame, hot surfaces. No smoking.</p> <p>P403+P233: Store in a well-ventilated place. Keep container tightly closed.</p> <p>P261: Avoid breathing fumes.</p> <p>P280: Wear protective gloves/ clothing and eye protection.</p> <p>P304+P340: If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P303+P361+P353: If on skin or hair, remove contaminated clothing. Rinse skin with water.</p> <p>P370+P378: In case of fire, use dry chemical, alcohol foam, or carbon dioxide for extinction.</p> |
| 16.4 | Restrictions on use                                   | DenTASTIC dental adhesives are to be sold to and used 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.                                                                                                                                                                                                                                                                                                                 |
| 16.5 | Sources of key data                                   | <p>National Institute for Occupational Safety (NIOSH)</p> <p>US Occupational Safety and Health Administration (OSHA)</p> <p>Eur-Lex European Union Law: Regulation (EC) No. 1272/2008 (CLP) and Regulation (EC) No. 1907/2006 (REACH).</p> <p>Guidance on the compilation of safety data sheets. Version 1.1; December 2011. European Chemicals Agency</p>                                                                                                                                                                                                                                                                                                                                                                                               |
| 16.6 | Information which has been added, deleted or revised. | This Safety Data Sheet has been revised to meet the requirements of the 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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