

**PRODUCT SPECIFICATIONS****CQV Co., Ltd.**

|   |   |               |   |     |                                |           |
|---|---|---------------|---|-----|--------------------------------|-----------|
| <b>Product Name:</b>                          | <b>CQV PEARL PIGMENT</b>  |               |   |     |                                |           |
| <b>Trade Name:</b>                            | <b>Reflex™ Fine Blue Pearl RC-7881D</b>   |               |   |     |                                |           |
| <b>Manufacturer:</b>                          | <b>CQV Co., Ltd.</b><br>144, Seongjung-Ro, Jincheon-Eup, Jincheon-Gun, Chungbuk-Do, Korea<br>Tel. 82-43-531-2500, Fax. 82-43-536-0314 |               |   |     |                                |           |
| <b>Date Prepared:</b>                         | Rev. 3, February 18th, 2013   |               |   |     |                                |           |
| <b>1. Appearance:</b>                         | Blue Free-flowing Powder  |               |   |     |                                |           |
| <b>2. Ingredients and Composition</b>         |   |               |   |     |                                |           |
| Ingredients                                   | Composition   | By Weight (%) |   |     | CAS No.                        | EINECS    |
| Synthetic Fluorophlogopite                    | $KMg_3AlSi_3O_{10}F_2$  | 30            | - | 43  | 12003-38-2                     | 234-426-5 |
| Tin Oxide                                     | $SnO_2$   | 0             | - | 1   | 18282-10-5                     | 242-159-0 |
| Titanium Dioxide                              | $TiO_2$   | 55            | - | 65  | 13463-67-7                     | 236-675-5 |
| CI Pigment Blue 15                            | $C_{32}H_{16}N_8.Cu$  | 2             | - | 4   | 147-14-8                       | 205-685-1 |
| <b>3. Particle Size (<math>\mu m</math>):</b> | Mean Diameters  | D10           | - | D90 | (By Malvern Mastersizer 2000S) |           |
|   |   | 5             | - | 25  |                                |           |
| <b>4. pH:</b>                                 | 6.0 - 10.0  |               |   |     |                                |           |
| <b>5. Loss on Drying:</b>                     | 2.0 % max.  |               |   |     |                                |           |
| <b>6. Loss on Ignition:</b>                   | 5.0 % max.  |               |   |     |                                |           |
| <b>7. Density (g/cm<sub>3</sub>)</b>          | 3.1 - 3.4   |               |   |     |                                |           |
| <b>8. Trace Elements:</b>                     | Mercury (Hg)  |               |   |     | 1 ppm max.                     | IEC 62321 |
|   | Lead (Pb)   |               |   |     | 10 ppm max.                    |           |
|   | Cadmium (Cd)  |               |   |     | 1 ppm max.                     |           |
|   | Hexavalent Chromium( $Cr^{6+}$ )  |               |   |     | 5 ppm max.                     |           |