

## Technical Data Sheet of

### *Titanium Dioxide*

### *Rutile CR-510*

|                         |                         |                 |                        |
|-------------------------|-------------------------|-----------------|------------------------|
| <b>COMMERCIAL NAME:</b> | <i>Titanium Dioxide</i> | <b>FORMULA:</b> | <i>TiO<sub>2</sub></i> |
| <b>SYNONYM:</b>         | <i>CR-510</i>           | <b>CAS No.:</b> | <i>13463-67-7</i>      |

| <b>SPECIFICATIONS, Rutile 510:</b>   |   |
|--|---|
| <b>APPEARANCE &amp; PROPERTIES:</b>  |   |
| <i>White powder.</i>   |   |
| <i>Produced by chloride process and surface wet treated with both inorganic metal oxides and special organic chemicals.</i>          |   |
| <i>Excellent particle size distribution and durability, good dispensability, high whiteness, tinting strength and hiding powder.</i> |   |
| <b>TiO<sub>2</sub> content:</b>  | <i>94.5% Min.</i>                           |
| <b>Surface treatment:</b>  | <i>Zirconia, Alumina, organic</i>           |
| <b>Identification:</b>   | <i>ISO591:R2;<br/>ASTM D-476-84: II(IV)</i> |
| <b>Rutile content:</b>   | <i>99.9% Min.</i>                           |
| <b>L*:</b>   | <i>98.3% Min.</i>                           |
| <b>B*:</b>   | <i>1.65% Min.</i>                           |
| <b>Specific gravity, g/cm<sup>3</sup>:</b>   | <i>4.1</i>                                  |
| <b>Tinting strength:</b>   | <i>118% Min.</i>                            |
| <b>PH:</b>   | <i>7.5 Max.</i>                             |
| <b>Oil absorption, g/100g:</b>   | <i>17.5</i>                                 |
| <b>Mean particle size, um:</b>   | <i>0.27</i>                                 |
| <b>Carbon black undertone(CBU):</b>  | <i>14 Max.</i>                              |

| <b>PACKING:</b>                                 |
|---|
| <i>25kg /Bag, palletized and shrink-wrapped</i> |
| <i>(Max. 800 bags /20MT in 1X20'FCL)</i>        |