

## TECHNICAL DATA

Edition of: 2010-12-8

|                                |  |                   |          |                      |
|--------------------------------|--|-------------------|----------|----------------------|
| <b>Trade name</b>              | Iron oxide yellow  |                   |          |                      |
| <b>Type</b>                    | 920  |                   |          |                      |
| <b>REACH</b>                   | Registration no:01-2119457554-33   |                   |          |                      |
| <b>Chemical name</b>           | Iron hydroxide ( $\alpha$ -FeOOH)  |                   |          |                      |
| <b>Delivery form</b>           | Powder   |                   |          |                      |
| <b>Colour index</b>            | Pigment yellow 42  |                   |          |                      |
| <b>CAS No./EC No.</b>          |  |                   |          |                      |
| <b>Specifications</b>          | Contents (Fe <sub>2</sub> O <sub>3</sub> · $\alpha$ H <sub>2</sub> O)        | %                 | ≥86      | ISO1248              |
|                                | Oil absorption   | ml/100g           | 25~30    | ISO787-5             |
|                                | Res. on 325 mesh   | %                 | ≤0.3     | ISO787-7             |
|                                | Water soluble salts  | %                 | ≤0.3     | ISO787-3             |
|                                | Moisture   | %                 | ≤1.5     | ISO787-2             |
|                                | pH value   |                   | 3~7      | ISO787-9             |
|                                | Ignition loss (1,000°C, ½ h)   | %                 | ≤14      | DIN55913             |
|                                | Bulk density   | g/cm <sup>3</sup> | 0.4~0.6  | ISO787-11            |
|                                | Specific gravity   | g/cm <sup>3</sup> | 4.1      | ISO787-10            |
|                                | Particle size BET  | µm                | 0.1x0.6  | Electron Micrographs |
|                                | Dispersibility (Hegman)  | µm                | 20/25/30 | ISO787-20            |
|                                | Tinting Strength<br>(Compared with Standard)                                 | %                 | 95~105   | ISO787-24            |
|                                | Color Difference $\Delta E$<br>(Compared with Standard)                      |                   | ≤1.0     | ISO787-1             |
| <b>Sales packing</b>           | In 25kg paper bag/1000kg bulk bag then palletized                            |                   |          |                      |
| <b>Transport &amp; Storage</b> | Protect against weathering / Store in a dry place                            |                   |          |                      |
| <b>Safety</b>                  | The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008 |                   |          |                      |