



## TECHNICAL DATA SHEET

Chemical Name: Titanium Dioxide **HR990**  
Full Name: Chloride Rutile Titanium Dioxide Pigment  
Colour Index: 77891, Pigment white 6  
Number CAS: 13463-67-7  
Number EINECS: 236-675-5

Chemical Formula:  $TiO_2$   
Commercial Form: White powdered solid  
Molecular Weight: 79.9

### PHYSICAL AND CHEMICAL PROPERTIES:

Density: 3.8 - 4.2 g/cm<sup>3</sup> (20 °C)  
Melting point: 1850 °C  
Boiling point: 2500 - 3000 °C  
Solubility: Insoluble in water

Application Notes: HR990 is produced with unique chloride process technology, it is an excellent general-purpose grade rutile titanium dioxide pigment and designed with good gloss, excellent opacity, easy dispersion and nice whiteness.

Recommended Uses:

- Both interior and exterior painting.
- Solvent and water based painting.
- Road mark painting.
- Automotive painting, refinish painting.
- Masterbatch, plastic, PVC.
- Inks, leather, rubber etc.

### PRODUCT SPECIFICATION:

Characteristics:	Limits:
Appearance:	White powder
TiO <sub>2</sub> content (%):	≥ 93.0
Rutile content (%):	≥ 97.0
pH (10% solution) 20°C:	6.0-8.5
Oil absorption, g/100g (%):	≤ 20.0
Residue of sieve of 45µm (%):	≤ 0.01
Volatiles by volume 20°C: (%):	≤ 1.0