



# Shanghai King Chemical Co.,Ltd

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## TECHNICAL DATA SHEET

## HT Series daylight fluorescent pigments

HT is a series of fluorescent pigments designed for applications in which strong coloring strength and excellent brightness are required, with fine particle size and uniform color. It can be used in water-based paper coatings and fabric coatings.

### Features and Benefits:

- Excellent brightness and color strength;
- Good dispersion can be achieved;
- Heavy metals meet EN 71-3 requirements for toys; RoHS compliant.

### Applications: Heatstability:

- Water-based fabric paper coatings;
- Other water-based coatings;
- Some rubber latex

### Available Colors:

HT-801	Pink	HT-807	Violet
HT-802	Lemon yellow	HT-808	Red Violet
HT-803	Yellow	HT-809	Blue
HT-804	Red orange	HT-811	Red
HT-805	Orange	HT-812	Gold yellow
HT-806	Green	HT-816	Cerise

### Physical & Chemical Properties:

Average Particle Size	≤5μm	Oil Absorption	65g oil/100g pigments
Softening Point	≥120°C	Full shade (compared with the standard)	similar
Decomposition Temperature	>200°C	Color strength (compared with the standard)	100±5

### Lightfastness:

Fluorescent pigments are more fugitive than conventional pigments. They are stable to indoor light or outdoor conditions other than direct sunlight. By exposure to outdoor sunlight the color will change, whereby the degree of fading is depending on following factors:

- Color of the pigment ■ Type of binder polymer ■ Intensity and angle of the incident sunlight.
- Pigment loading and thickness of the endproduct. The higher the pigment loading and thickness, the better the lightfastness is.

**The lightfastness may be improved by including UV-absorber(s) in the formulation and/or by making use of clear overcoats containing UV-absorber(s).**

### Solvent-resistance:

HT pigments are designed for water-based applications and does not have much resistance against strong solvents.

### Storage:

When stored in a cool, dry environment, in closed bags the product can be stored for at least 1 year. All opened bags should be carefully resealed immediately after use.

### Toxicity:

HT fluorescent pigments are essentially non-toxic and non-hazardous and extremely low heavy-metal content. Safety data sheet (SDS) is available upon request.