



Reversible thermochromic colorant

## CHROMICOLOR AQ Ink LF Grade

### Product Outline

CHROMICOLOR AQ Ink LF Grade is a reversible thermochromic aqueous slurry in high concentration. Its Formaldehyde content is less than 0.06%, which can be called Low-Formaldehyde type. Besides, it does not contain "Bis-phenol-A" that is endocrine disrupting substance, so it may comply with EU environmental regulations.

### Property

	CHROMICOLOR AQ Ink LF Grade
Appearance	Various Color Paste
Component	Microcapsulized Thermochromic colorant / Water
Ave. Particle Size	2.0 ~ 4.0 $\mu$ m (FAST YELLOW = 3.0-5.0 $\mu$ m)
pH	7.0 $\pm$ 0.5
Density (g/cm <sup>3</sup> )	1.04 $\pm$ 0.05
Viscosity (mPa $\cdot$ s) (at 25°C)	400 ~ 6,500
Ionicity	Anionic
Solid Content	45.0 $\pm$ 2.0%

### Color / Temp. Types

Available Colors; 11 colors

	Fast Yellow		New Fast Blue
	Gold Orange		Turquoise Blue
	New Vermilion		Brilliant Green
	Pink 2		Green 2
	Magenta		Fast Black 2
			Brown

### Temperature Types

Type #5	Type #20
Type #10	Type #25
Type #15	Type #27
Type #17	Type #35
	Type #37

### Considerations

- Keep sealed and store in dark place under 30°C.  
Shelf Life; Brilliant Green = 3 months under 30°C, other colors = 6 months.
- During a long period of storage, a separation may happen. Stir well before each use.
- Slight amount of formaldehyde is contained, so it is not advisable to apply this product for baby products.
- CHROMICOLOR AQ Ink LF Grade is weak against moist-heat, so it may not be suitable for the combination with dyestuff printing.
- The product has weak light-fastness (not only Sunlight but any lights), so pre-test is a must to judge the suitability.
- In its formula, there are TSCA SNUR concerned substances. Please, carefully refer the SDS.

\*Carefully test to see the applicability before bulk use.



MATSUI SHIKISO CHEMICAL CO., LTD.

Head office : 64, Kamikazan Sakuradani, Yamashina-Ku,  
Kyoto 607-8466, Japan  
TEL.075-594-5612