Cromalent Red GHS

Chemical Nature: acid/basic dye's salt (metal complex)

Physical Properties

Form	Powder
Colour	Red
Solubility in water	Insol.
Specific gravity (water=1)	1.27
Light Fastness	
1-8 Blue Scale comparison	6-7
Heat Fastness	
10 min. 180°C (1-5 scale)	5
Chemical Fastness	
Acid (1-5 scale)	5
Alkali (1-5 scale)	4
Table of solubilities	
Methanol	100
Ethanol	100
Isopropanol	80
Isobutanol	40
n-Butanol	20
Ethylacetate	100
Toluene	20
Xylene	30
MEK	500
MIBK	380
Ethyl Cellosolve	220
Cyclo-Hexanone	300
PM (Propylene Glycol Methyl Ether)	450
DPM (Dipropylene Glycol Methyl Ether)	350
Acetone	600

APPLICATIONS	
Wood Stains	A
Hot stamping	A
Natural or sinthetic leather coatings	A
Soles of shoes coatings	A
Transparent coating for aluminium foil	A
Transparent coating for metallized film	A
Solvent based flexografic inks	A
Ink-jet inks	B

2,5%	RECIPE FOR ILLUSTRATION	1%
9	NC resine	9
21	Ethylacetate	21
10	Metoxipropanol	10
27,5	MEK	29
30	Ethanol	30
2,5	Dye	1
100		100

Legenda: A= suitable, B= applicable previous tests, C= unsuitable. Illustrations have been obtained by a 24 micron coater.

Fastness methods: Light: ISO blue scale (1-8) as comparison standard. / Heat: Automatic constant temperature dryer at 180°C for 10 minutes. / Acid: Immerse in 1% H2SO solution for 24 h. / Alkali: Immerse in 1% NaOH solution for 24h.

Solubilities: Figures given in the table represent the amount of dye in grams which may be dissolved in a litre of the indicated solvent. Test is conducted for each solvent by making a sequence of drawdowns with a 30 micron coater on aluminium foil at increasing values of solved dye. Drawdown must be glossy ans trasparent, with no opacity, while no bottom must be present in the container.

Other informations: The above informations are based on our actual knowledge and on the results of the tests in our lab, but they are given without guarantee. Tests before the industrial use of the product are recommended.

Last revision: june 2005