



## *Basic Dyes For Paper*

### **New Jersey Location**

50 Page Road, Clifton, NJ 07012

Phone. 973.778.0122 • Fax. 973.778.1124

### **South Carolina Location**

105 Wood Street, Greenville, SC 29611

Phone. 864.295.1170 • Fax. 864.295.5606

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[www.greenvillecolorants.com](http://www.greenvillecolorants.com) • Customer Service. 800.832.8985 Fax. 800.763.1001



Dye Name		Affinity Unbleached Kraft	Optimum Ph Range	Pounds Per Gallon	Light Fastness	Bleachability 1.0% Cl 3.0% Cl
	<b>Elcozine Chrysoidine R Conc. Liq.</b> Basic Orange 1	Good	4.5-7.5	9.16	Fair	Fair Good
	<b>Elcozine Chrysoidine Y Conc. Liq.</b> Basic Orange 2	Good	4.5-7.5	8.95	Fair	Fair Good
	<b>Elcozine Chrysoidine S Liq.</b> Basic Orange 1	Good	4.5-7.5	8.95	Fair	Fair Good
	<b>Adizine Bismark Brown R Conc.</b> Basic Brown 4(S)	Good	4.5-7.5	N/A	Fair	Good Good
	<b>Elcozine Bismark Brown VP Pwd.</b> Basic Brown	Good	4.5-7.5	N/A	Fair	Fair Good
	<b>Elcozine Chrysoidine P Liq.</b> Basic Orange 1	Good	4.5-7.5	8.92	Fair	Good Good
	<b>Paper Red P Liq.</b> Basic Red 12	Good	4.5-7.5	8.77	Fair	Good Good
	<b>Elcozine Crystal Violet Liq.</b> Basic Violet 3	Good	4.5-7.5	9.19	Fair	Poor Good
	<b>Elcozine Violet 5B Liq.</b> Basic Violet	Very Good	4.5-7.5	9.19	Fair	Fair Good
	<b>Elcozine Methyl Violet 2B Liq.</b> Basic Violet 1	Very Good	4.5-7.5	9.19	Fair	Fair Good
	<b>Elcozine Malachite Green Liq.</b> Basic Green 4	Very Good	4.5-7.5	1.10	Fair	Good Good
	<b>Adizine Black SON Liq.</b> Basic Black	Good	4.5-7.5	1.07	Fair	Fair Good
	<b>Adizine Black TC Liquid</b> Basic Black	Good	4.5-7.5	1.08	Fair	Fair Good
	<b>Adizine Black G Powder</b> Basic Black	Good	4.5-7.5	1.07		
	<b>Unbleached Sulphite</b>					

## LEGEND:

The contained shades were prepared as follows:

Per 2,000 lbs.	Unbleached Sulphite
XX lbs.	Basic Dye*
pH	6.5-7.0

\* 5.0 & 20.00 lbs. For liquid dyes  
2.5 & 10.00 lbs. For powder dyes

## Test Methods:

Liquid dyes are in solution.

Powder dyes: Combine one unit of dye with 0.5 units of acetic acid. Make a paste and add deionized water while stirring and heating to 180°F (82°C) maximum.



**Light Fastness:**

Hours	Ratings	Class
2	5	Excellent
1	4	Good
0.5	3	fair

**Bleachability:**

The quantity of dye destroyed by surface application of 1.0 and 3.0% available chlorine.

5	95% destroyed	Excellent
4	92% destroyed	Very Good
3	85% destroyed	Good
2	75% destroyed	Fair
1	<70% destroyed	Poor

**Alkali and Acid:**

Effect of spotting paper with 10.0% Soda Ash/ 1.0% H<sub>2</sub>SO<sub>4</sub>/10.0% Acetic Acid.

5	No Change
4	Slight Change
3	Moderate Change
2	Severe Change
1	Color Destroyed

**Disclaimer:**

Seller assumes no obligation or liability, whether in contract, tort, negligence, strict liability or misrepresentation for any advice or assistance given Buyer in relation to the merchandise, such advice or assistance, written or oral, being given without charge and accepted by Buyer's request and at his sole and exclusive risk. Samples will be made available at Buyer's request. Buyers are urged to make their own tests of any product described herein or of any proposed application with respect to which advice or assistance from Seller may be sought.

The fastness properties of the enclosed dyeings are dependent upon the conditions to which they are subjected, and may vary considerably if the dyed fabric is treated with additional chemicals such as fixing or finishing agents. Consequently, the dyed/finished fabric should be tested to assure that the fastness properties meet the necessary requirement. Not all shades can be produced with desired fastness properties. This point should be carefully considered before putting shades into production. The information given is based on work done in our laboratories; consideration should be given to possible variations under local conditions.

