



## *Direct 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



	Lbs./Ton	Dye Name	CI	Optimum pH Range	Lightfastness Fadeometer	Bleachability 2% Hypochloride 2% Hydrosulfide 1.5% Ozone	Affinity For Filler Clay Calcium Carbonate Titanium Dioxide
	40	Dyrite Flavine 6G	Y 131	5.0-8.0	P	Yes No Yes	F F F
	40	Dyrite Yellow 5GO	Y 119	4.5-8.5	G	Yes No Yes	G G F
	10	Dyrite Br Yellow 5GS	Y 119(S)	4-7.5	G	Yes - -	F F -
	40	Dyrite Yellow 3GF	Y 154	4.5-8.5	F/G	Subst. Semi Yes	G F P
	40	Dyrite Yellow G	Y 107	4.5-8.5	VG	Yes Subst. Pract/Yes*	F VG P
	10	Adimine Yellow 4GP-S	Y 107(S)	4.5-8	G	Yes - -	F F -
	10	Adimine Bond Yellow CPN	Y	4.5-8.5	G	Yes - -	G F -
	10	Dyrite Yellow PBL	Y 050	4.5-8.5	VG	Yes - -	F F -
	20	Dyrite Yellow LR	Y 147	4.5-8.5	E	Yes Yes Yes	F P P
	40	Dyrite G. Yellow RB	Y 127	4.5-8.5**	G	Yes Yes Yes	F P P
	40	Dyrite Yellow 7GY	Y 137	4.5-8.5	G	Yes Yes Yes	VG G F
	40	Dyrite Stilbene Yellow G	Y 011	4.5-8.5**	F	No Semi Yes	G G F
	10	Elcomine Yellow RP	Y 034	4.8-8	F	Yes - -	F F -
	40	Elcomine Paper Yellow C	Y 004	4.0-5.5	VG	Yes Yes Yes	P F P
	40	Dyrite Yellow RF	Y 133	4.5-8.5	VG	Yes Subst. Yes	F G P
	10	Adimine Yellow C2GP	Y	4-8	G	Yes - -	G F -
	40	Adimine Orange A	O 015	4.5-8.5**	G	Semi Semi Yes	VG F F
	40	Adimine Orange 2RF	O 118	4.5-8.5	F	Yes Pract Pract/Yes*	F VG P
	10	Adimine Fast Orange SE	O 026	4.5-8.5	VG	Yes - -	G F -
	40	Adimine Orange WS	O	4.5-8.5	G	Subst. Yes Pract/Yes*	VG G F
	10	Adimine Br Orange 3R Conc.	O	-	G	Yes - -	G F -
	10	Adimine Fast Brown 3GN-NB	BR	4-8.5	F	Yes - -	G - -
	10	Adimine Fast Brown 3RB-NB	BR	4-8.5	G	Yes - -	G - -
	10	Adimine Brown BRL-NB	BR	4.5-8.5	VG	Yes - -	G F -



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	20	Elcomine Br. Pink BR	R	4.5-8.5	F	- - -	- - -
	40	Adimine Paper Red SERN	R	4.5-8	G	Yes - -	F - -
	10	Adimine Fast Scarlet PV	R 251	4.5-8	G	Yes - -	F - -
	20	Elcomine Scarlet NAS	R 239	4.5-8.5	G	Pract - -	- - -
	40	Adimine Scarlet 4B	R 236	4.5-8.5	G	Semi Subst. Yes	VG G F
	10	Adimine Fast Scarlet 4BS	R 023	4-7.5	G	Yes - -	VG G -
	10	Elcomine Scarlet 4BS	R 024	4.5-8.5	G	Yes - -	VG G -
	10	Elcacid Croceine Scarlet FL	R	-	E	Yes - -	F F -
	10	Adimine Scarlet 8BSA	R 026	4.5-7.5	G	Pract - -	F - -
	40	Elcomine Red 8BL	R 081	4.5-8.5	G	Semi Subst. Subst./Yes*	F G F
	10	Adimine Paper Red 8BLP	R 081(S)	4.5-8.5	VG	Pract - -	F - -
	40	Elcomine Red 9BL Liq.	R 254	4.5-8.5	G	Semi Subst. Yes	F G F
	40	Adimine Bordeaux 8B	R	4.5-8.5	G	Subst. Subst. Yes	G F P
	10	Dyrite Bordeaux 6BF	R 016	4.5-8.5	G	Yes - -	G F -
	40	Adimine Br. Violet BRW	V 099	4.5-8.5	G	Subst. Yes Yes	G G F
	10	Dyrite Violet BC	V 009	4.5-8.5	F	Yes - -	G F -
	40	Elcomine Bond. Blue A	BL 199	4.5-8.5**	VG	Semi Semi Praact./Semi	F F F
	40	Elcozine C Turquoise 6G Liq.	BA BL 140	4.5-8.5	VG	Semi No Yes	G F F
	40	Dyrite Turquoise GP	BL 086	4.5-8.5**	G	Semi Semi Yes	G G F
	10	Adimine Blue R	BL	4.5-8.5	VG	Yes - -	G - -
	40	Dyrite Blue 8GL	BL 218	4.5-8.5	VG	Yes Yes Yes	G G F
	10	Adimine Blue 3RR-NB	BL 218(S)	4.5-8.5	VG	Yes - -	G F -
	40	Adimine Blue GTB	BL 273	4.5-8.5	G	Subst. Subst. -	P VG P
	40	Dyrite Blue BT	BL 281	4.5-8.5	F	Yes Subst. Yes	F F P



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	40	Adimine Blue P4B	BL	4-8	G	Yes - -	F - -
	10	Dyrite Sky Blue 6B	BL	4.5-8.5	F	Yes - -	F - -
	10	Adimine Fast Blue 4GL	BL	4.5-8.5	G	- - -	- - -
	10	Adimine Fast Blue 2RBB-NB	BL	4.5-8.5	G	Yes - -	F - -
	10	Adimine Blue 2RL-NB	BL	4.5-8.5	G	Yes - -	F - -
	40	Adimine Blue BN 200%	BL 290	4.5-8.5	G	Subst. Subst. Yes	F E P
	40	Adimine Blue SP-N	BL 279	4.5-8.5**	F	Yes Semi Yes	F F P
	10	Adimine Blue LLU	BL	4.5-8.5	G	- - -	- - -
	10	Adimine Green 2B-NB	G	4.5-8.5	G	Yes - -	F F -
	20	Elcomine Black E-SE	BK	4.0-8.5	F	Pract Yes -	F F P
	40	Adimine Black SP	BK	4.0-8.5**	F	Subst. Yes -	F F P
	10	Adimine Diazo Black BH-NB	BK	4.5-8.5	G	Yes - -	G F -

## LEGEND

### Solubility

Adimine liquid dyes are miscible with water in all proportions.

### Optimum pH Range

The Optimum pH Range is the range in which the papermaking system should be kept to achieve the best results. Dyes marked \*\* in the pH values indicate that when the use of a pH >5.0 the use of a fixing agent may be required.

### Light Fastness

The dyeings represented were placed in a carbon-arc Fadeometer and rated as follows:

Symbol	Rating
P	Poor
F	Fair
G	Good
VG	Very Good
E	Excellent



Ozone bleaching results followed by an \* indicated that the ozone bleached pulp was treated with a second bleaching step of sodium hydrosulphate at the same 2% conditions listed above.

Symbol	Rating	Color Remaining After Bleaching
Yes	Bleachable	0-5%
Subst.	Substantially Bleachable	6-20%
Semi	Semi Bleachable	21-80%
No	Not Bleachable	81-100%

### Affinity for Filler

Symbol	Rating	Color Retained By The Filler
E	Excellent	95-100%
VG	Very Good	70-94%
G	Good	45-69%
F	Fair	11-44%
P	Poor	0-10%

### Physical Form:

Most products are available in both powder and liquid forms.

### 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.