

















SERIE

DETERCROM



DETERCROM SERIE

		Light fastness	Water at 80°C	Methanol	Ethanol	Ethyleneglycol	Diethyleneglycol	Glycerol	Propylene glycol	Ethoxyethanol	Ethoxydiglycol	Methoxyethanol
Yellow 2G		6	60	10	1	70	15	10	10	1	5	25
Fluo Yellow S	 FLUO	3	600	525	45	500	550	700	300	300	300	300
Yellow T		6	140	5	5	250	125	100	100	2,5	50	60
Orange R		3	20	8	5	30	120	25	100	8	20	45
Fluo Red E	 FLUO	3	400	260	30	850	600	800	750	30	40	120
Red 4R		2	85	40	10	30	180	100	1	1	1	n.a.
Red B		3/4	40	250	10	500	400	400	10	1	1	1
Blue RN		4	125	65	125	350	75	65	1	250	n.a	n.a.
Blue SBL		5	50	10	1	30	40	40	55	30	n.a.	n.a.
Sky Blue G		5	18	1	-	25	150	180	90	-	1	25
Blue O		6	70	1	1	50	20	20	75	30	50	25
Blue R		1	500	300	20	400	300	400	300	300	250	300
Green G		4/5	50	1	25	40	10	30	30	15	n.a.	n.a.
Green B		4/5	25	15	0,5	30	110	100	75	-	2	35

Light fastness

Lightfastness tests have been carried on paper dip dyeings with concentration of the dye bath of 10 g/l each. The results were evaluated after 24 hours exposition in Xenotest with 1-8 Blue Wool Scale, in which: 1= very poor; 8= outstanding.

As usual, reported data are released only as indications or guide for a first selection of dyes, depending the light fastness on many different factors. Focused tests are highly suggested in the specific applications.

Solubility

The solubilities in the various solvents were assessed with the following method: small amounts of dye are gradually added to the solution at room temperature until a significant amount of dye remains un-dissolved (without considering impurities and insoluble salts). So table reports the amount of dye in grs that dissolves in 1 litre of the specific solvent. In case solutions have to remain stable over long period, concentration must be lower than that reported.

Detercrom are selected dyes for application in detergents and cleaners. Detergents usually contain specific additives as salts with basic reaction (phosphates - carbonates - sodium silicates), optical brighteners, oxidizers (detergents for linen), solvents (in the stain removers), enzymes (in bio-detergents), biocides (quaternary ammonium salts), dyestuffs and so on. Dyes in formulation only have aesthetical purpose, sometimes as signals. Best pH value for usual application of dyes is around neutrality. Values of pH highly acid or alkaline could have a strong influence upon stability of the dye itself with consequent changing or deterioration. As detergents and cleaners could vary widely in their composition and properties, it is suggestable to carefully select the dye basing on stability properties.

Detercrom dyes are technical grade products, so they may contain small amounts of water insoluble impurities. These impurities could be removed by allowing the solutions to stand some time and then decanting. It is also possible that filtering it is necessary to completely eliminate the inconvenience, as in case of viscous solution. The amount of Detercrom dyes added is usually between 0,01 and 0,1%, depending on the desired intensity of the shade. In any case careful tests before the industrial application of the product is highly recommended in order to verify compatibility of the dye in the particular formulation.

pH Stability

The following table reports pH stability of Detercrom dyes, in order to estimate their suitability in acid or alkaline conditions in such applications as household and industrial cleaners, identifiers products in water treatments or any other systems where pH stability is involved. Tests have been executed with dye concentration of 1 g/l and evaluation after 3 days by comparison of same concentrated solution in distilled water. All Detercrom dyes are stable in 5 to 8 pH range.

Dye	pH 1	pH 3	pH 11	pH 13
Detercrom Yellow 2G	N	N	S	S
Detercrom Yellow T	S	N	A	A
Detercrom Fluo Yellow S	S	S	N	S
Detercrom Orange R	N	N	S	N
Detercrom Red B	S	N	S	S
Detercrom Red 4R	N	N	S	A
Detercrom Fluo Red E	A	S	N	N
Detercrom Sky Blue G	A	A		
Detercrom Blue O	S	S		
Detercrom Blue R	S	S	N	S
Detercrom Blue RN	A	S		
Detercrom Blue SBL	S	S		
Detercrom Green G	S	S	N	N
Detercrom Green B	A	N	N	N

Legenda

N = no change
 S = slight change
 A = appreciable change

Other datas

Expiry date: 2 years at room temperature
 Dangerous for transport: No
 Packaging: 25 kgs carton boxes. Other packaging available on request.

All information are based on the current state of our knowledge and on the results of our tests, but they are given without guarantee. The Buyer remains responsible for verifying that the products are suitable for his intended process or purpose. Tests before the industrial use of the product are recommended.



COLORANTI, PIGMENTI E PRODOTTI CHIMICI PER L'INDUSTRIA
INDUSTRIAL DYES, PIGMENTS AND CHEMICAL PRODUCTS

Cromatos s.r.l.

Via G. Cardano, 6B/C/D | 47122 Forlì (FC) Italy | T +39 0543 796191 | F +39 0543 796189
info@cromatos.com | www.cromatos.com