



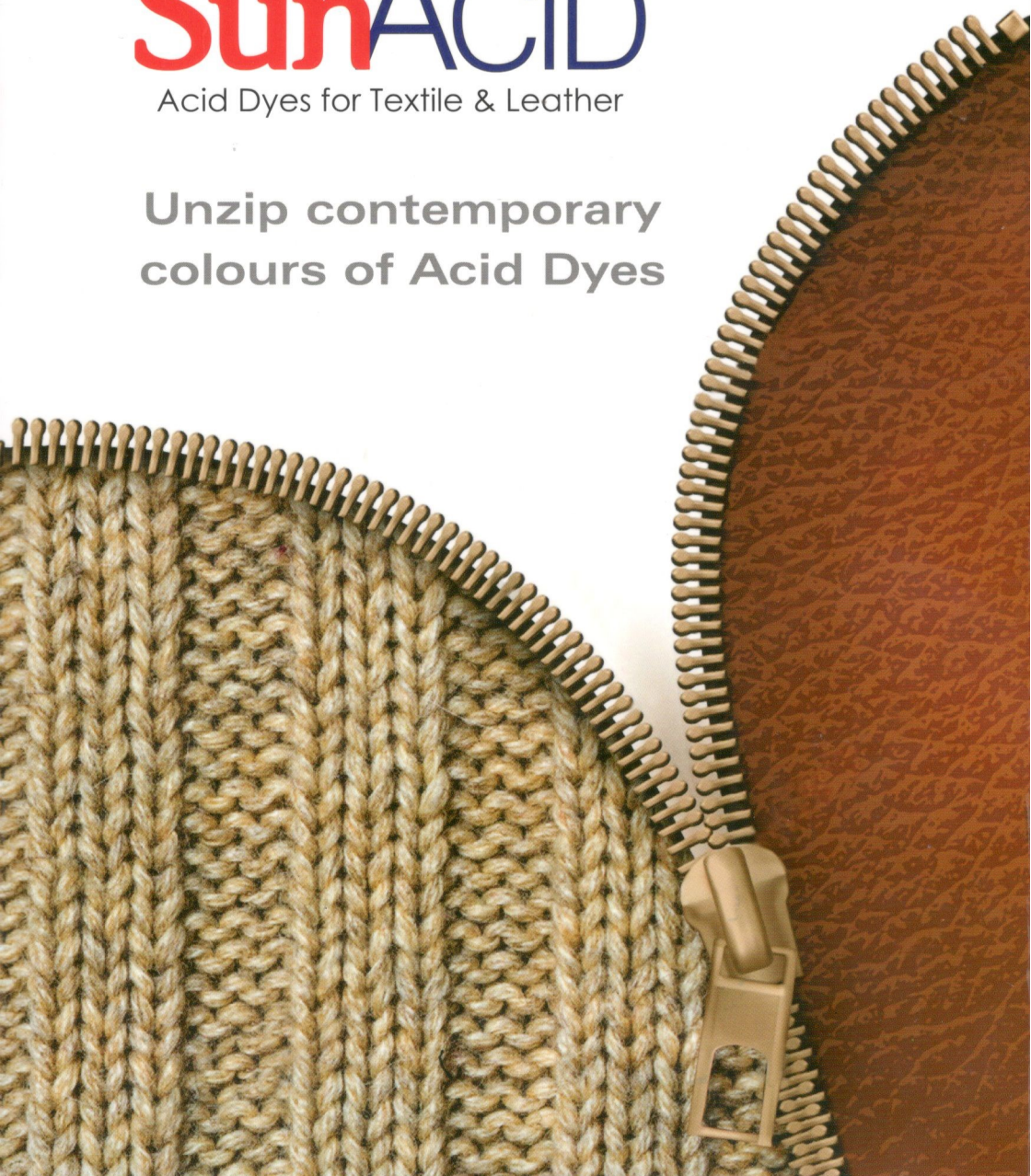
VIPUL ORGANICS

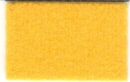
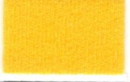
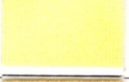
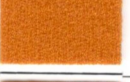
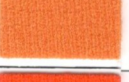
Interconnected Chemistry

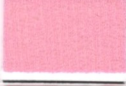
SunACID[®]

Acid Dyes for Textile & Leather

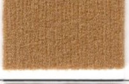
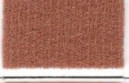
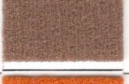
**Unzip contemporary
colours of Acid Dyes**

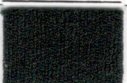


Sr. No.	Nylon		Name of Product	C I Acid	Fastness Properties		Perspiration	
	0.5%	2%			Light	Washing	Acid	Alkali
1			SunACID® Yellow G	Yellow 11	6-7	2-3	4	3-4
2			SunACID® Yellow 2G	Yellow 17	6-7	2-3	4-5	3-4
3			SunACID® Milling Yellow T	Yellow 23	4	4	3	3
4			SunACID® Metanil Yellow	Yellow 36	3-4	2-3	4-5	4
5			SunACID® Milling Yellow R	Yellow 42	5	4	4	4
6			SunACID® Yellow FG	Yellow 49	5	4	2-3	2-3
7			SunACID® Yellow GR	Yellow 99	6-7	4-5	4	4
8			SunACID® Milling Yellow 5GN	Yellow 110	4-5	4	2-3	2-3
9			SunACID® Yellow GL	Yellow 114	7	5	4	4
10			SunACID® Yellow 2GL	Yellow 151	6-7	4-5	3-4	3-4
11			SunACID® Yellow M3RL	Yellow 194	5	4-5	4	3-4
12			SunACID® Yellow 5RL	Yellow 204	6-7	4-5	3-4	3
13			SunACID® Yellow M2GN	Yellow 241	6-7	4-5	3-4	3-4
14			SunACID® Orange II	Orange 7	5-6	3-4	3	3
15			SunACID® Yellow N3R	Orange 67	5-6	4	4	4

Sr. No.	Nylon		Name of Product	C I Acid	Fastness Properties		Perspiration	
	0.5%	2%			Light	Washing	Acid	Alkali
16			SunACID® Orange G	Orange 74	6-7	4-5	4	4
17			SunACID® Orange RL	Orange 142	4-5	4	4-5	4
18			SunACID® Red 2G	Red 1	3-4	4-5	4	3
19			SunACID® Scarlet 3R	Red 18	4	2	2	2
20			SunACID® Rhodamine B 400%	Red 52	3	3-4	3	3
21			SunACID® Chromefast Red F	Red 57	7	5	5	4
22			SunACID® Crocein Moo	Red 73	5	4	3	3
23			SunACID® Fast Red A	Red 88	4	3	3	3
24			SunACID® Red G	Red 97	5	4	3	3
25			SunACID® Red RS	Red 114	4	4	4	3
26			SunACID® Maroon V	Red 119	4-5	4	3	3
27			SunACID® Brill. Red 3BN	Red 131	5	5	4	3
28			SunACID® Red CG	Red 151	4	3-4	4	3-4
29			SunACID® Bordeaux R	Red 182	7-8	4	5	4-5
30			SunACID® Violet Brown B	Red 184	5-6	4	5	4-5

Sr. No.	Nylon		Name of Product	C I Acid	Fastness Properties		Perspiration	
	0.5%	2%			Light	Washing	Acid	Alkali
31			SunACID® Milling Red B	Red 249	5	2-3	2-3	3-4
32			SunACID® Scarlet GL	Red 357	4-5	4	3	3
33			SunACID® Red MBR	Red 362	4-5	4	3	2-3
34			SunACID® Violet 4BS	Violet 17	3	4	4	3
35			SunACID® Violet 5 BL	Violet 49	2	3-4	3	3
36			SunACID® Bordeaux MB	Violet 90	4-5	5	4	4
37			SunACID® Green B	Green 1	3-4	3-4	3	2-3
38			SunACID® Milling Green B	Green 9	3	3	4	3-4
39			SunACID® Green V	Green 16	3-4	4	3	3
40			SunACID® Green CG	Green 25	5	4	3	4
41			SunACID® Blue VS	Blue 1	3	4	3	3
42			SunACID® Blue AS	Blue 7	3	4	3-4	3
43			SunACID® Blue MB	Blue 9	3	2-3	4	3-4
44			SunACID® Navy Blue 2RNX	Blue 113	5	4-5	3-4	3
45			SunACID® Blue M2G	Blue 158	5-6	3-4	4	3-4

Sr. No.	Nylon		Name of Product	C I Acid	Fastness Properties		Perspiration	
	0.5%	2%			Light	Washing	Acid	Alkali
46			SunACID [®] Blue MTR	Blue 193	6	4-5	4-5	4
47			SunACID [®] Brown R	Brown 14	4	4-5	3	3
48			SunACID [®] Brown RB	Brown 58	3	3	2-3	2-3
49			SunACID [®] Brown NR	Brown 75	4-5	4	2-3	2-3
50			SunACID [®] Olive Brown G	Brown 98	4-5	4	2-3	2-3
51			SunACID [®] Brown ORG	Brown 100	3-4	3-4	2-3	2-3
52			SunACID [®] Brown WR	Brown 106	3	3	2-3	2-3
53			SunACID [®] Brown NCG	Brown 161	4	3-4	2-3	2-3
54			SunACID [®] Brown NT	Brown 165	3-4	3-4	2-3	2-3
55			SunACID [®] Brown H	Brown 188	3	3	2-3	2-3
56			SunACID [®] Brown RT	Brown 214	4	4-5	3	2
57			SunACID [®] Brown DGR	Brown 235	3-4	3-4	2-3	2-3
58			SunACID [®] Brown 5GR	Brown 282	4-5	4	4	4
59			SunACID [®] Brown 5R	Brown 348	3	3	2-3	2-3
60			SunACID [®] Brown ASG	Brown 349	2-3	2-3	2-3	2-3

Sr. No.	Nylon		Name of Product	C I Acid	Fastness Properties		Perspiration	
	0.5%	2%			Light	Washing	Acid	Alkali
61			SunACID® Brown MBL	Brown 355	5-6	4-5	4-5	4
62			SunACID® Brown M2RL	Brown 365	4-5	4	4	4
63			SunACID® Brown RL	Brown 369	4-5	4	2-3	2-3
64			SunACID® Brown GOL	Brown 422	4-5	4	3-4	3-4
65			SunACID® Brown 2RL	Brown 425	3-4	3-4	2-3	2-3
66			SunACID® Brown RG	Brown 432	3-4	3-4	2-3	2-3
67			SunACID® Brown 2R	Brown 434	3-4	3-4	3	2-3
68			SunACID® Black 10BX	Black 1	3-4	4	3	3
69			SunACID® Chrome Black T	Black 11	7-8	5	5	4
70			SunACID® Black WA	Black 52	7	4	4	4
71			SunACID® Black BN	Black 172	6	4	4	3
72			SunACID® Black MSRL	Black 194	6-7	4-5	4	4
73			SunACID® Black NT	Black 210	4	4	3	3
74			SunACID® Black NBG	Black 234	4	4	3	3
75			SunACID® Black ATT	Mix	4	4	3	3

Acid Dyes are water soluble dyes and recommended to dye Wool, Silk, Nylon, Leather, Paper and Jute. They are also used for printing of Silk and nylon.

Dyeing of Wool:

Pre-treatment

Woolen Yarn is scoured with non-ionic detergent and ammonia under warm condition prior to entering the dye bath.

Recipe:

Leveling Agent	0 – 0.5 %
Anhydrous Sodium Sulphate	5 – 10 %
Glacial Acetic Acid	1 – 2 %
Liquor Ratio	1: 20

Dye bath is prepared with requisite quantity of Dye, Glauber's Salt and water. Goods are entered at Room temperature, then add Acetic Acid. Raise the temperature to boil and continue the dyeing at this temperature for 45 to 60 Min.

After dyeing, material is rinsed and dry. Use of Leveling Agent is recommended for getting uniform dyeing.

Dyeing of Nylon:

Goods are treated with 2 g/l Non-Ionic detergent and 1 g/l soda ash at 60 Deg. for half an hour and Rinsed thoroughly in hot water.

Dye bath is prepared with required quantity of dyestuff and goods are entered at Room Temperature. Raise the Temp to Boil in 30 Min and Add 1- 3 % Acetic Acid or Ammonium Acetate and dyeing is continued for another 25 to 30 min. Addition of Acetic Acid is recommended for complete exhaustion of dye bath.

PRINTING:

Acid Dyes have excellent aqueous solubility and hence can be used for printing.

Recipe:

Dyestuffs	: 1-5 Parts
Diethylene Glycol	: 5 parts
Water	: 20 parts
Gum (Neutral)	: 60 parts
Thio Urea	: 7 parts
Ammonium Sulphate	: 4 parts

Total	: 100 parts

Print, Dry and Steam for 30 Min.

Washing

Rinse with cold water with 1 g/l soda Ash, followed by cold wash

Rinse with non-ionic detergent (2 g/l), then cold wash

If necessary, rinse with hydrose (0.5 g/l) for 10 min, followed by cold wash

Metal Complex Dyes:

Dyebath is set at 70° C with 5-8 % Sulphuric Acid 168° Tw and 10 to 20% Anhydrous Glauber's Salt. Add dye and raise the temperature gradually to boil in 30 Min and dyeing is continued for 45 to 60 Min. Goods removed, rinsed and washed well.

CHROME MORDANT DYES:

Set the Dyebath with

Anhydrous Glauber's Salt	: 1-2%
Ammonium Sulphate	: 0.5 %
Chrome Mordant Solution	: 2 to 5 %

(by mixing 1 part of Sodium or Potassium Bichromate and 2 part Ammonium Sulphate)

Add dissolved dye and goods are entered at Room Temperature and raise the temperature to boil in 30 min. Continue dyeing at this temp for 45 to 60 min, then remove the goods, rinse and wash well.

FASTNESS PROPERTIES

Light	- 1 to 8
Washing	- 1 to 5
Perspiration	- 1 to 5
(In increasing order)	