



An ISO9001:2015 Certified Company

Plot No: C1 412/4, Phase-2, GIDC, Vatva,
Ahmedabad-382445 Gujarat, INDIA

T : +91 79 40037129

M : +91 9879 235396

+91 9879 452401

+91 98250 05234 (International Sales)

E : devcoloursindia44@gmail.com

info@devcolours.com

www.devcolours.com



Manufacturer & Exporter of Dyestuffs

Specialize in Reactive Dyes & Direct Dyes

Company Profile

Founded in the year 2013, we "Dev Colours" are a reliable and famous manufacturer of a broad range of Reactive Dyes and Direct Dyes. We provide these products in diverse packaging options to attain the complete satisfaction of the clients. We are a Partnership company which is located in Ahmedabad (Gujarat, India).

We have well equipped laboratory, inbuilt spray dryers unit and ETP plant for waste water due to which we gain highly satisfaction from our customers. Our production capacity of manufacturing dyes per month is 100 M.T.

Our all products are made of quality raw material and meet relevant standards and parameters. The dyes range at Dev Colours is benchmarked against the best in the world and is used as a standard by many of our competitors. Our Dyes range for textile mills can also be tailor - made to meet customer's requirement of strength and shade. To ensure quality and performance, various parameters such as fastness, solubility, pH and physical appearance are continuously assessed and monitored using sophisticated tools.



Why Us?

We are an eminent firm that is actively committed to offering premium quality range of products within the minimum time period and at genuine rates. Few of the essential factors that help us to become the prime choice of the patrons are listed below :



Qualitative
Range of Dyes



Client-Centric
Approach



Positive
Records



Prompt
Delivery



Highly Experienced
Workforce



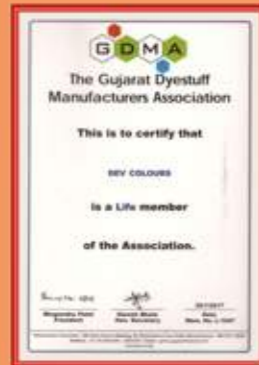
Excellent Transport
& Logistic Facility



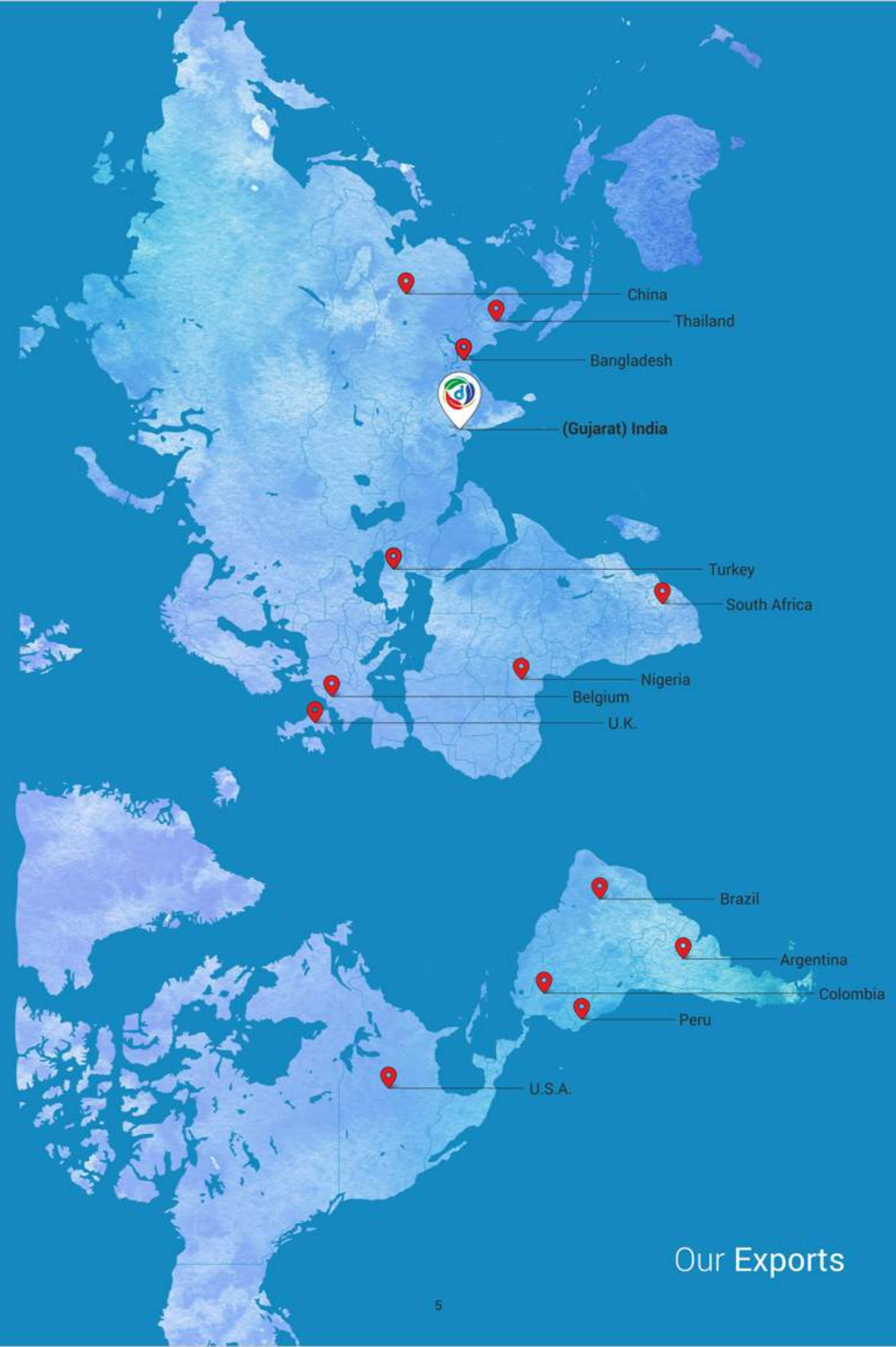
Economical
Price Range



Quality Assurance



The prime objective of our company has always been to offer superior quality products to our clients. We take many measures so as not to compromise on both the raw materials and the finished products. The product we offer passes through stringent quality test. The samples of the products are analyzed by our quality checkers. In addition we have our very own testing labs and R&D departments where the product specifications and the nature of the products are tested. In our labs we incorporate the latest equipment and facilities so that we can continuously improve our products. We also focus on the aspect of social responsibility and take steps to make environment friendly products. Also as a good employer we take care of our valuable workforce against any occupational hazards.



Our Exports



Factory

R & D Department



Reactive
Dyes



VINYL SULPHONE SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | | Dischargeability | Other Fastness | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | | |
|---|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|------------|------------------|------------------------------|-----------------------------|--------------------------|------|------|--------------------------|---------------------------------------|-------------------|--|-----|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali | |
| YELLOW FG Yellow 42 | | | 100 | H | M | 60 | S | S | S | NS | G | 5 | 4.5 | 3 | 3-4 | 3-4 | 4.5 | 2-3 | 4-5 | 5 | 5 |
| GOL. YELLOW RNL Orange 107 | | | 100 | H | M | 60 | S | HS | S | S | G | 5 | 5 | 3-4 | 3-4 | 4 | 5 | 2-3 | 4-5 | 5 | 5 |
| BRILL. ORANGE 3R Orange 16 | | | 80 | M | M | 60 | S | LS | S | LS | G | 4.5 | 5 | 3 | 3-4 | 3-4 | 4.5 | 2-3 | 4-5 | 4-5 | 4-5 |
| BRILL. ORANGE 2R Orange 7 | | | 120 | M | M | 60 | S | LS | S | NS | G | 4.5 | 5 | 3 | 3 | 3 | 4.5 | 2-3 | 4-5 | 5 | 5 |
| BRILL. RED 5B Red 35 | | | 100 | M | M | 60 | LS | S | S | S | G | 3-4 | 3-4 | 3 | 3-4 | 3-4 | 4 | 2-3 | 4 | 4-5 | 4-5 |
| RED RB Red 198 | | | 100 | M | M | 60 | S | S | S | S | M | 4-5 | 4-5 | 3-5 | 4 | 4 | 4-5 | 3 | 4 | 4-5 | 3-4 |
| RED BB Red 21 | | | 150 | M | M | 60 | S | S | S | S | G | 4-5 | 5 | 3 | 3-4 | 3-4 | 4-5 | 2 | 4-5 | 4-5 | 4-5 |
| RED BS H/C Red 111 | | | 100 | M | M | 60 | HS | S | LS | LS | M | 4-5 | 5 | 2-3 | 3 | 3 | 4-5 | 2-3 | 3 | 4-5 | 4-5 |
| BRILL. VIOLET 5R H/C Violet 5 | | | 80 | H | M | 60 | S | S | LS | LS | P | 4 | 5 | 3-4 | 4 | 4 | 4-5 | 3 | 2-3 | 4-5 | 4-5 |
| TURQ. BLUE G Blue 21 | | | 80 | H | M | 80 | S | S | LS | LS | P | 2-3 | 5 | 3 | 3-4 | 3-4 | 3 | 3-4 | 3 | 4 | 4 |
| TURQ. BLUE H2GP Blue* | | | 80 | H | M | 80 | S | S | S | LS | P | 2-3 | 3-4 | 3 | 3-4 | 3-4 | 3 | 3-4 | 3 | 4 | 4 |
| BRILL. BLUE BB 133% Blue 220 | | | 100 | H | M | 60 | S | S | S | S | P | 4 | 5 | 4 | 4-5 | 4-5 | 4 | 3 | 4 | 3-4 | 4 |
| BLUE 3R Blue 28 | | | 80 | L | L | 60 | S | S | S | LS | P | 3-4 | 5 | 4 | 4 | 4 | 4 | 2-3 | 2-3 | 4 | 3-4 |
| BLUE R SPL Blue 19 | | | 80 | H | M | 60 | S | S | S | LS | P | 4 | 5 | 4 | 4 | 4-5 | 4-5 | 3 | 4-5 | 5 | 4-5 |



VINYL SULPHONE SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | | Dischargeability | Other Fastness | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | |
|----------------------------------|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|------------|------------------|------------------------------|-----------------------------|--------------------------|------|------|--------------------------|---------------------------------------|-------------------|--|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali |
| DARK BLUE HR Red 35 | | | 80 | L | M | 60 | S | S | S | LS | M | 4 | 3-4 | 3 | 3 | 3 | 4 | 2 | 4-5 | 4-5 |
| BROWN GR Brown 18 | | | 80 | M | M | 60 | S | S | S | S | G | 3-4 | 4-5 | 3-5 | 3-5 | 4 | 4 | 2-3 | 3-4 | 4 |
| NAVY BLUE RGB Blue 250 | | | 100 | L | M | 60 | S | SS | S | S | G | 4-5 | 4-5 | 3 | 3-4 | 4 | 4-5 | 2-3 | 4 | 4-5 |
| NAVY BLUE GG Blue 203 | | | 100 | H | M | 60 | HS | HS | S | S | G | 4-5 | 3-4 | 3 | 3-4 | 4 | 4 | 3-4 | 4-5 | 4-5 |
| BLACK RL Black 31 | | | 100 | L | L | 60 | S | S | S | S | P | 4 | 4-5 | 3-5 | 4 | 4 | 4-5 | 3 | 4 | 5 |
| BLACK B Black 5 | | | 250 | H | M | 60 | HS | HS | S | S | G | 4 | 4 | 2-3 | 3 | 3 | 4 | 2 | 4 | 4-5 |

"BLACK" SERIES

| Product & C.I. No. | Shade | | Process | | | | Solubility g/l | | Light Fastness | | | | Washing C03 | | Water E01 | | Perspiration E40 | | Rubbing X12 | | | |
|-----------------------|-------|----|----------------|-----------------------|-------------------|------------------|----------------|---------------------|----------------|---------------|-------------|-------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-------------|-------------|
| | 4% | 8% | Exhaust Dyeing | Semicontinuous Dyeing | Continuous Dyeing | Dischargeability | Water - 300C | Salt (90g/l) - 500C | AATCC 16E 1/1 | AATCC 16E 1/3 | ISO B02 1/1 | ISO B02 1/3 | Change in Colour | Stain (Cotton) | Change in Colour | Stain (Cotton) | Change in Colour | Stain (Cotton) | Change in Colour | Stain (cotton) | Dry Rubbing | Wet Rubbing |
| BLACK WNN | | | S | S | S | D | 200 | 200 | 4 | - | 4 | - | 4-5 | 4-5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 3 |
| BLACK GDNN | | | S | S | S | D | 200 | 200 | 4 | - | 4 | - | 5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 4-5 | 3 |
| BLACK R | | | S | S | S | D | 200 | 200 | 4 | - | 4 | - | 5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 4-5 | 3 |
| BLACK G | | | S | S | S | D | 200 | 200 | 3 | - | 4 | - | 5 | 4-5 | 4-5 | 4-5 | 5 | 4-5 | 5 | 4-5 | 4-5 | 3 |
| BLACK DN Conc. | | | S | S | S | D | 200 | 200 | 4 | 3-4 | 4 | - | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 3 |



"HE" SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | | Dischargeability | Other Fastness | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | |
|--------------------------------------|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|------------|------------------|------------------------------|-----------------------------|--------------------------|------|------|--------------------------|---------------------------------------|-------------------|--|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali |
| YELLOW HE6G Yellow 135 | | | 50 | H | M | 60 - 80 | S | NS | S | NS | G | 4-5 | 4-5 | 3-4 | 3-4 | 4 | 4-5 | 3 | 4-5 | 4-5 |
| YELLOW HE4G Yellow 81 | | | 40 | M | H | 80 | HS | NS | NS | NS | P | 4 | 3-4 | 3-4 | 3-4 | 4 | 4 | 4 | 4-5 | 4-5 |
| GOL. YELLOW HE4R Yellow 84 | | | 70 | H | H | 80 | HS | S | NS | NS | P | 4 | 3-4 | 3 | 3-4 | 4 | 4 | 4 | 4-5 | 4-5 |
| GOL. YELLOW HER Yellow 84a | | | 80 | H | M | 80 | HS | S | LS | NS | P | 4 | 3-4 | 3 | 3-4 | 4 | 4 | 4 | 4-5 | 4-5 |
| ORANGE HER Orange 84 | | | 50 | H | M | 80 | HS | LS | NS | NS | P | 4-5 | 3-4 | 2-3 | 3-4 | 3-4 | 3-4 | 3-4 | 4-5 | 4 |
| ORANGE HE2R Orange 86 | | | 80 | H | M | 60 - 80 | S | LS | NS | NS | P | 3-4 | 3-4 | 2-3 | 3 | 3-4 | 4 | 4-5 | 5 | 4 |
| RED HE3B Red 120 | | | 100 | H | H | 80 | HS | LS | NS | NS | P | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 4 | 4 | 4-5 |
| RED HE7B Red 141 | | | 120 | H | H | 80 | HS | S | S | NS | P | 4-5 | 4 | 3-4 | 3-4 | 4 | 4-5 | 4 | 4 | 4-5 |
| RED. HE8B Red 152 | | | 100 | H | L | 80 | S | NS | S | NS | P | 4-5 | 4 | 2-3 | 3 | 3 | 4 | 4-5 | 4 | 4-5 |
| BLUE HERD Blue 160 | | | 100 | H | H | 80 | HS | S | NS | NS | P | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 3 | 3-4 | 4-5 |
| BLUE HEGN Blue 198 | | | 100 | H | H | 80 | HS | S | NS | NS | P | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 1 | 3-4 | 4-5 |
| TURQUISE BLUE HA Blue 71 | | | 100 | M | H | 80 | HS | S | NS | NS | P | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 1 | 3-4 | 4-5 |
| GREEN HE4BD Green 19 | | | 80 | H | H | 80 | HS | LS | NS | NS | P | 4-5 | 3-4 | 3-4 | 3-4 | 4 | 4-5 | 4 | 3-4 | 4-5 |
| GREEN HE4B Green 19a | | | 80 | H | H | 60 - 80 | S | NS | NS | NS | P | 4 | 3-4 | 2-3 | 3 | 3-4 | 4 | 3-4 | 3-4 | 3-4 |



"ME" SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | | Dischargeability | Other Fastness | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | |
|-----------------------------------|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|------------|------------------|------------------------------|-----------------------------|--------------------------|------|------|--------------------------|---------------------------------------|-------------------|--|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali |
| YELLOW ME4GL Yellow 160 | | | 80 | H | L | 60 | LS | S | S | NS | M | 4-5 | 4-5 | 4 | 4 | 4 | 4-5 | 3 | 4-5 | 4-5 |
| YELLOW MERL Yellow 145 | | | 100 | H | M | 60 | HS | HS | S | S | M | 4-5 | 4-5 | 4 | 4 | 4 | 4 | 4-5 | 4-5 | 4 |
| ORANGE ME2RL Orange 122 | | | 80 | H | M | 60 | S | NS | LS | LS | M | 4-5 | 4 | 2-3 | 3 | 3-4 | 4 | 4-5 | 5 | 4 |
| RED ME3BL H/C Red 194 | | | 100 | H | M | 60 | S | S | S | S | M | 4-5 | 4 | 3-4 | 4 | 4 | 4 | 4 | 4-5 | 4-5 |
| RED ME4BL Red 195 | | | 150 | M | M | 60 | HS | HS | S | S | P | 4-5 | 4 | 3 | 3-4 | 4 | 4 | 4 | 1 | 4-5 |
| RED ME6BL Red 250 | | | 80 | M | M | 60 | S | LS | NS | S | M | 4-5 | 4 | 3 | 3-4 | 4 | 4 | 4 | 4-5 | 4-5 |
| BLUE MERF 150% Blue 221 | | | 100 | H | L | 60 | HS | S | S | LS | M | 4-5 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 4-5 |
| BLUE ME2RL Blue 248 | | | 100 | M | M | 60 | S | NS | NS | S | P | 3-4 | 5 | 3 | 3 | 3-4 | 3-4 | 2-3 | 4 | 4 |
| BLUE ME2GL Blue 194 | | | 100 | M | M | 60 | HS | S | S | S | P | 4-5 | 4 | 3 | 3 | 3-4 | 4 | 4 | 4-5 | 4-5 |
| NAVY BLUE BF Blue 22 | | | 100 | M | M | 60 | HS | S | S | S | G | 4-5 | 4 | 3 | 3 | 3-4 | 4 | 1 | 2 | 4-5 |
| NAVY BLUE HER Blue 171 | | | 100 | H | H | 80 | HS | S | NS | NS | G | 4-5 | 3-4 | 3 | 3-4 | 3-4 | 4-5 | 3 | 4 | 4-5 |
| NAVY BLUE HE2R Blue 172 | | | 100 | L | M | 60 - 80 | S | S | S | NS | P | 4 | 3-4 | 3 | 3-4 | 4 | 4 | - | 4 | 4-5 |

"HE" SERIES

| | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|-----|---|---|---------|----|---|----|----|---|-----|-----|---|-----|-----|-----|---|---|-----|
| NAVY BLUE HER Blue 171 | | | 100 | H | H | 80 | HS | S | NS | NS | G | 4-5 | 3-4 | 3 | 3-4 | 3-4 | 4-5 | 3 | 4 | 4-5 |
| NAVY BLUE HE2R Blue 172 | | | 100 | L | M | 60 - 80 | S | S | S | NS | P | 4 | 3-4 | 3 | 3-4 | 4 | 4 | - | 4 | 4-5 |

SPECIALIZED IN
**REACTIVE
 & DIRECT
 YELLOW
 DYES**



"H" & "P" SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | | Other Fastness | | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | | |
|--------------------------------------|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|------------|------------------------------|-----------------------------|-----------------------------|--------------------------|------|------|--------------------------|---------------------------------------|-------------------|--|-----|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali | |
| YELLOW P6GS Yellow 95 | | | 80 | L | M | 110 | NS | NS | HS | NS | 4 | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 3-4 | 3-4 | 4-5 | 4-5 |
| YELLOW H5G Yellow* | | | 80 | L | M | 110 | NS | NS | HS | NS | 4 | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 3-4 | 3-4 | 4 | 4-5 |
| YELLOW H4G Yellow 18 | | | 150 | L | M | 110 | NS | NS | HS | NS | 5 | 4-5 | 4 | 4 | 4 | 4 | 4-5 | 3-4 | 3-4 | 4 | 4-5 |
| GOL. YELLOW P2RN Orange 12 | | | 100 | M | M | 110 | NS | NS | HS | NS | 5 | 4-5 | 4 | 3-4 | 4 | 4 | 4-5 | 3-4 | 3-4 | 4-5 | 4-5 |
| ORANGE P2R Orange 13 | | | 100 | M | M | 110 | NS | NS | HS | NS | 4-5 | 4 | 3-4 | 3 | 3-4 | 4 | 4-5 | 3 | 4 | 3-4 | 3-4 |
| RED PB Red 24 | | | 100 | H | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 4 | 3 | 3-4 | 4 | 4-5 | 3-4 | 3-4 | 3-4 | 3-4 |
| RED P3B Red 45 | | | 100 | M | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 3-4 | 3-4 | 4 | 4 | 4-5 | 3-4 | 1 | 3-4 | 3-4 |
| RED P4B Red 245 | | | 150 | M | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 3-4 | 3-4 | 4 | 4 | 4 | 1 | 1 | 3-4 | 3-4 |
| RED P6B Red 218 | | | 80 | M | L | 110 | NS | NS | HS | NS | 3-4 | 4 | 3 | 2-3 | 3 | 3-4 | 3-4 | 3 | 3-4 | 4 | 4-5 |
| RED P8B Red 31 | | | 80 | M | L | 110 | NS | NS | HS | NS | 4-5 | 3-4 | 3 | 2-3 | 3 | 3 | 4-5 | 3 | 2-3 | 3-4 | 3-4 |
| RED P8BN Red* | | | 80 | M | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 3-4 | 2-3 | 3 | 3 | 4-5 | 3-4 | 2-3 | 3-4 | 3-4 |
| MAGENTA PB Violet 13 | | | 80 | M | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 3 | 3 | 3 | 3-4 | 4-5 | 2-3 | 2-3 | 3-4 | 3-4 |
| TURQ. BLUE H5G Blue 25 | | | 80 | H | L | 110 | NS | NS | HS | NS | 2-3 | 3-4 | 2-3 | 3 | 3 | 3-4 | 3 | 2-3 | 3 | 4 | 4 |
| BLUE P3R Blue 49 | | | 100 | M | M | 110 | NS | NS | HS | NS | 4-5 | 3-4 | 3 | 3-4 | 4 | 4 | 4 | 1-2 | 3 | 4 | 4-5 |



"H" & "P" SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | Other Fastness | | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | | |
|----------------------------------|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|----------------|------------------------------|-----------------------------|-----------------------------|------|------|--------------------------|-------------------|---------------------------------------|-------------------|--|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali |
| BLUE H5R Blue 13 | | | 80 | M | L | 110 | NS | NS | HS | NS | 4 | 4 | 3-4 | 3-4 | 4 | 4 | 1 | 1 | 4 | |
| PURPLE P3R Violet 1 | | | 100 | M | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 3-4 | 3-4 | 4 | 4 | 5 | 2-3 | 2-3 | 4 |
| NAVY BLUE RX Blue 79 | | | 100 | M | M | 110 | S | S | S | NS | 4 | 4 | 3-4 | - | 3 | 4 | 4-5 | 2-3 | 3 | 4 |
| NAVY BLUE P2R Black 39 | | | 120 | L | M | 110 | NS | NS | HS | NS | 4 | 4 | 3-4 | - | 3 | 3-4 | 4-5 | 2-3 | 3 | 4 |
| RED BROWN H4R Brown 9 | | | 60 | M | L | 110 | NS | NS | HS | NS | 4-5 | 4 | 3-4 | 3 | 3 | 3-4 | 4-5 | 3 | 3 | 4 |
| BLACK HN Black 8 | | | 80 | L | M | 110 | NS | NS | HS | NS | 4-5 | 3-4 | 3 | 3 | 3-4 | 4 | 4-5 | 1 | 3 | 4 |
| BLACK PGR Black* | | | 120 | L | M | 110 | NS | NS | HS | NS | 4 | 4 | 3-4 | - | 3 | 3-4 | 4-5 | 2-3 | 3 | 4 |

POLYFUNCTIONAL DYES

| Product & C.I. No. | Shade | | Suitability | | Solubility | | Fastness Properties | | | | | |
|--------------------|-------|----|------------------|---------------------|--------------|--------------------------|---------------------|------------------|-----------------|----------------------------|-----------------------|--------|
| | 2% | 4% | Dischargeability | Hypochlorite Bleach | Reactivities | With at 500C Plain Water | With at 50 g/l Salt | Light 0.25% 3.0% | Rubbing Dry Wet | Washing Shade Change Stain | Perspiration Alkaline | Acidic |
| ORANGE CD | | | - | - | - | - | - | - | - | - | - | - |
| RED CD | | | P | 3 | M | 100 | 80 | 4-5 | 5 | 5 | 5 | 5 |
| ORANGE W3R | | | G | 3 | H | 150 | 50 | 2-3 3 | 5 3-4 | 4-5 4-5 | 4 4 | 4 4 |
| RED W3R | | | G | 3 | H | 150 | 50 | 2-3 3 | 5 3-4 | 4-5 4-5 | 4 4 | 4 4 |



"M" SERIES

| Product & C.I. No. | Shade | | Solubility in gpl at 30°C | Affinity | Reactivity | Fixation Temperature°C | Process Suitability | | | Other Fastness | | | Light Fastness AATCC 16E | | | Post Fastness Properties | | | | |
|---------------------------------------|-------|----|---------------------------|----------|------------|------------------------|---------------------|----------------|----------|----------------|------------------|------------------------------|-----------------------------|------|------|--------------------------|-------------------|---------------------------------------|-------------------|--|
| | 2% | 4% | | | | | Exhaust | Cold Pad Batch | Printing | Continuous | Dischargeability | Washing Fastness ISO 105 C04 | Rubbing ISO 105/X12 Dry Wet | 0.1% | 0.1% | 2.0% | Water ISO 105 E01 | Chlorinated Pool Water AATCC 162:2002 | Hydrogen Peroxide | Perspiration ISO 105 E04 Acid / Alkali |
| BRILL. YELLOW M8G Yellow 86 | | | 80 | M | H | 40 | S | NS | S | LS | M | 4-5 | 4 | 3-4 | 3-4 | 4 | 4 | 3 | 3-4 | 4-5 |
| GOL. YELLOW MR Yellow 44 | | | 150 | M | M | 40 | S | LS | S | LS | P | 4-5 | 4 3-4 | 3-4 | 3-4 | 4 | 4-5 | 3-4 | 4 | 4 |
| GOL. YELLOW M3R Orange 86 | | | 120 | H | M | 40 | S | LS | S | LS | M | 4-5 | 4 3-4 | 4 | 4-5 | 4-5 | 4-5 | 3-5 | 4 | 4-5 |
| BRILL. ORANGE M2R Orange 4 | | | 65 | M | M | 40 | S | LS | S | LS | P | 4 | 4 3-4 | 3 | 3-4 | 4-5 | 3 | 3-4 | 3-4 | 4 |
| BRILL. RED M5B Red 2 | | | 80 | H | M | 40 | S | LS | S | LS | P | 4 | 3-4 3 | 3 | 3-4 | 3-4 | 4-5 | 3 | 3 | 4 |
| BRILL. RED M8B Red 11 | | | 70 | H | M | 40 | HS | NS | S | LS | P | 4-5 | 3-4 4 | 3 | 3-4 | 3-4 | 4-5 | 2-3 | 3-4 | 3 |
| BRILL. MAGENTA MB Violet 13 | | | 70 | H | M | 40 | S | NS | S | LS | M | 4-5 | 4 3-4 | 3-4 | 4 | 4-5 | 4 | 2-3 | 3 | 4-5 |
| BRILL. VIOLET M4R Violet 14 | | | 70 | H | M | 40 | S | NS | S | LS | M | 4 | 4-5 4 | 3 | 3-4 | 3-4 | 4-5 | 4 | 3-4 | 4-5 |
| BRILL. BLUE MR Blue 4 | | | 80 | H | M | 40 | S | LS | S | LS | P | 4-5 | 4-5 4 | 3-4 | 4 | 4 | 4-5 | 3-4 | 3-4 | 4-5 |
| BLUE M2R Blue 81 | | | 70 | H | M | 40 | S | LS | S | LS | P | 4 | 4 3-4 | 3 | 3 | 3-4 | 4-5 | 3-4 | 3-4 | 4 |





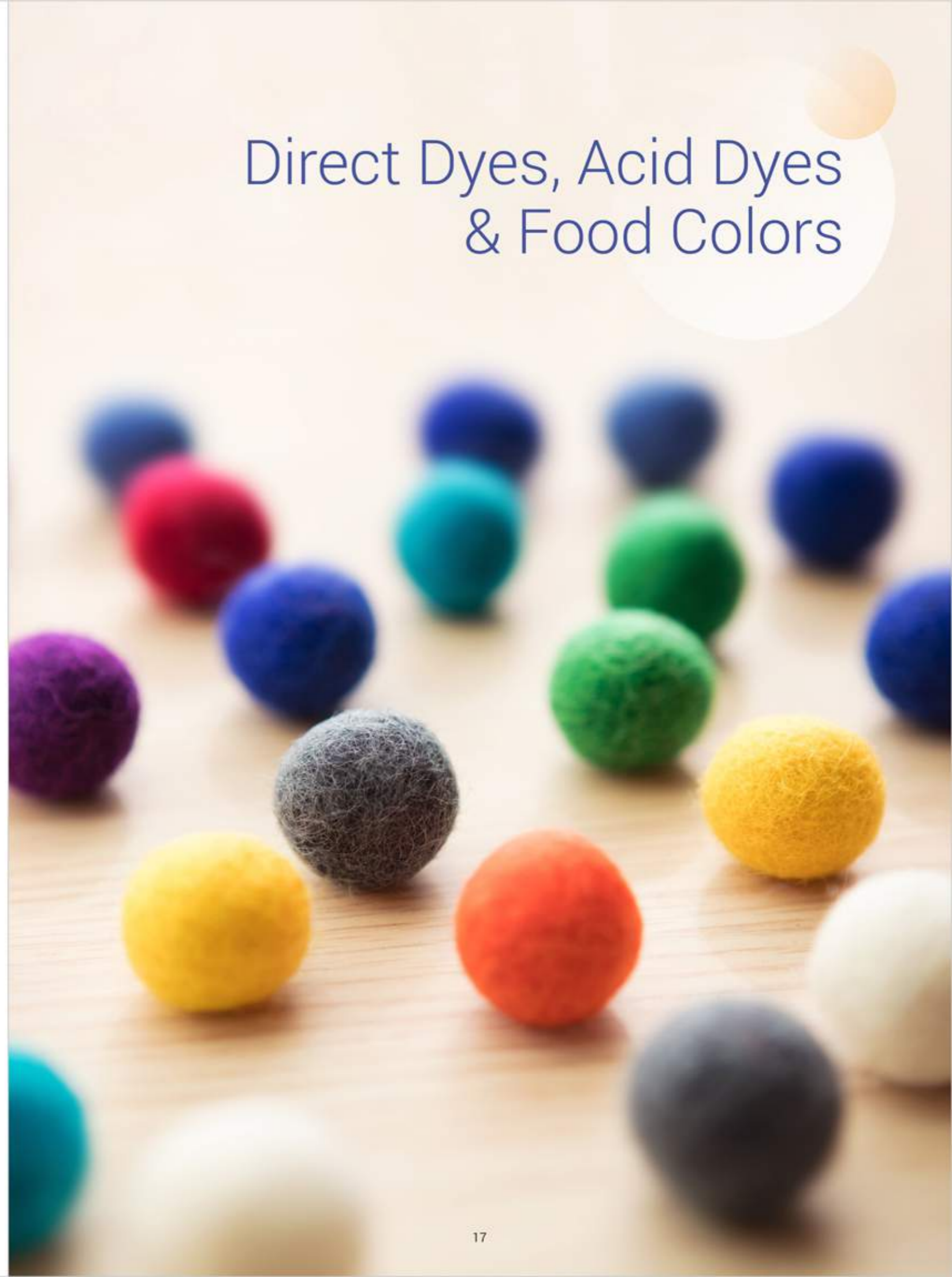
"RGB" SERIES

| Product & C.I. No. | Shade | | Exhaust Dyeing | Semicontinuous Dyeing | Continuous Dyeing | Dischargeability | Solubility g/l | | Light Fastness | | | | Washing | | Water | | Perspiration E40 | | Rubbing | | | |
|--------------------|-------|----|----------------|-----------------------|-------------------|------------------|----------------|---------------------|----------------|--------------|-------------|-------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|-------------|-------------|
| | 2% | 4% | | | | | Water - 300C | Salt (90g/l) - 500C | AATCC 16E 1/1 | AATCC16E 1/3 | ISO B02 1/1 | ISO B02 1/3 | Change in Colour | Stain (Cotton) | Change in Colour | Stain (Cotton) | Change in Colour | Stain (Cotton) | Change in Colour | Stain (Cotton) | Dry Rubbing | Wet Rubbing |
| ULTRA YELLOW RGB | | | S | S | S | P | 200 | 200 | 4-5 | 4 | 4 | 4 | 4-5 | 4 | 4-5 | 4 | 4-5 | 4 | 4-5 | 4 | 4-5 | 4 |
| ULTRA RED RGB | | | S | S | S | P | 200 | 200 | 4 | 3-4 | 4 | 3-4 | 4-5 D1 | 4-5 | 4-5 B1 | 4-5 | 4-5 | 4-5 | 4-5 | 4 | 4-5 | 3-4 |
| MAROON RED RGB | | | S | S | S | F | 200 | 200 | 4 | 4 | 4 | 3-4 | 4-5 | 4 | 4-5 | 4 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 3-4 |
| BLUE RGB | | | S | S | S | F | 200 | 200 | 3-4 | 3 | 3-4 | 3 | 4-5 | 4-5 | 4-5 | 4 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 3-4 |
| NAVY BLUE RGB | | | S | S | S | F | 200 | 200 | 4-5 | 3-4 | 3-4 | 3 | 4-5 | 4-5 | 4-5 | 4 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 3-4 |
| DEEP BLACK RGB | | | S | S | S | D | 200 | 200 | 4 | 4 | 4 | 4 | 4-5 | 4-5 | 4-5 | 4 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | - |

"RR" SERIES

| Product & C.I. No. | Shade | | Solubility gms/l | | Dyeing Properties | | Temp. 30°C | Straight | 30pts/1000 Common Salt | Substantivity | Reactivity | Fixation Temp. Exhaust Dyg. | Light Fastness I SO - 105-Bo2 (1 : 1) | Washing 60° SO - III Co3- A3 | Washing 90° ISO - IV Co4- A4 | Hypochlorite Bleach No. 01 | Peroxide Bleach No. 2 | Peroxide E 04 | | Rubbing X12 | Drycleaning Do1 Perchl | Shade Art Light - D-65 |
|--------------------|-------|----|------------------|----------|-------------------|----|------------|----------|------------------------|---------------|------------|-----------------------------|---------------------------------------|------------------------------|------------------------------|----------------------------|-----------------------|---------------|---|-------------|------------------------|------------------------|
| | 2% | 4% | Acidic | Alkaline | | | | | | | | | | | | | | | | | | |
| RE. YELLOW RR | | | 150 | 100 | S | 60 | 60 | 5-6 | 4-5 | 4-5 | 4 | 3-4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3-4 | 2-3R |
| RE. ORANGE RR | | | 120 | 100 | S | 60 | 60 | 5 | 5 | 4-5 | 4 | 3-4 | 4-5 | 4-5 | 4 | 4 | 4 | 4 | 4 | 4 | 3-4 | 2-3R |
| RE. RED RR | | | 120 | 100 | S | 60 | 60 | 5 | 5 | 4-5 | 4 | 3-4 | 4-5 | 4-5 | 4 | 4 | 4 | 4 | 4 | 4 | 3-4 | 2-3R |
| RE. BLUE RR | | | 120 | 100 | S | 60 | 60 | 4 | 4-5 | 4-5 | 4-5 | 3-4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3-4 | 3R |

Direct Dyes, Acid Dyes & Food Colors



DIRECT DYES

| Product & C.I. No. | Shade | |
|---|-------|----|
| | 2% | 4% |
| DIRECT YELLOW 11 Paper Yellow T | | |
| DIRECT YELLOW 44 Yellow 5GLL | | |
| DIRECT YELLOW 86 Yellow 2RLX | | |
| DIRECT YELLOW 107 Yellow G | | |
| DIRECT YELLOW 132 Yellow RR | | |
| DIRECT YELLOW 142 Yellow PG | | |
| DIRECT BLUE 15 Sky Blue FF | | |
| DIRECT BLUE 199 Turq. Blue FBL | | |
| DIRECT BLUE 71 Fast Blue GLL | | |
| DIRECT BLUE 86 Turq. Blue GL | | |
| DIRECT BLUE 155 | | |
| DIRECT BLUE 297 | | |
| DIRECT VIOLET 51 Brilliant Fast Helio B | | |
| DIRECT VIOLET 66 Violet 4BLL | | |
| DIRECT VIOLET 9 Brilliant Violet NB | | |

| Product & C.I. No. | Shade | |
|--|-------|----|
| | 2% | 4% |
| DIRECT BLACK 22 Black VSF | | |
| DIRECT BLACK 80 Black OBP | | |
| DIRECT BLACK 168 Black SBR | | |
| DIRECT BLACK 122 | | |
| DIRECT BLACK 19 Fast Black G | | |
| DIRECT RED 239 Scarlet 4BNX | | |
| DIRECT RED 23 Fast Scarlet 4BS | | |
| DIRECT RED 31 Red 12B | | |
| DIRECT RED 79 Red 6BL | | |
| DIRECT RED 83:1 Rubine 2RL | | |
| DIRECT RED 89 | | |
| DIRECT RED 227 Fast Rose FR | | |
| DIRECT ORANGE 39 Orange TGLL (R) | | |

ACID DYES

| Product & C.I. No. | Product & C.I. No. |
|------------------------|--------------------|
| ACID BLACK DYES | |
| ACID BLACK 194 | ACID BLACK 172 |
| ACID BLACK 52 | ACID BLACK 107 |
| ACID BLACK 1 (10BX) | ACID BLACK 226 |
| ACID BLACK 210 | ACID BLACK 234 |
| ACID RED DYES | |
| ACID RED 1 | ACID RED 87 |
| ACID RED 88 | ACID RED 97 |
| ACID RED 357 | ACID RED 362 |
| ACID RED 361 | ACID RED 119 |
| ACID RED 183 | |
| ACID BROWN DYES | |
| ACID BROWNS 75 | ACID BROWNS 355 |
| ACID BROWNS 365 | ACID BROWNS 282 |
| ACID BROWNS 425 | ACID BROWNS 434 |
| ACID BROWNS 188 | ACID BROWNS 98 |
| ACID BROWNS 88 | ACID BROWNS 65 |
| ACID BROWNS 97 | |

FOOD COLOURS

| Product Name | HUE | CI Name | CI NO | ECC NO | CAS NO |
|-----------------------|-----|----------------|-------|--------|------------|
| TARTRAZINE | | FOOD YELLOW 4 | 19140 | E 102 | 1934-94-0 |
| SUNSET YELLOW FCF | | FOOD YELLOW 3 | 15985 | E 110 | 2783-94-0 |
| CARMOISINE | | FOOD RED 3 | 14720 | E 122 | 3567-69-9 |
| PONCEAU 4R | | FOOD RED 7 | 16255 | E 124 | 2611-82-7 |
| AMARANTH | | FOOD RED 9 | 16185 | E 123 | 915-67-3 |
| ERYTHROSINE | | FOOD RED 14 | 45430 | E 127 | 16423-68-0 |
| ALLURA RED | | FOOD RED 17 | 16035 | E 129 | 25956-17-6 |
| CHOCOLATE BROWN HT | | FOOD BROWN 3 | 20285 | E 155 | 4553-89-3 |
| INDIGO CARMINE | | FOOD BLUE 1 | 73015 | E 132 | 860-22-0 |
| BRILLIANT BLUE FCF | | FOOD BLUE 2 | 42090 | E 133 | 3844-45-9 |
| QUINOLINE YELLOW (WS) | | FOOD YELLOW 13 | 47005 | E 104 | 8004-72-0 |
| BLACK PN | | FOOD BLACK 1 | 28440 | E 151 | 2519-30-4 |