













Sunfast & Non Benzidine Direct Dyes

| Sunfast & Non Benzidine Direct Dyes | Fastness Properties | | | | |
|--|---------------------|---------|--------------|--------------|------------------|
| | Light | Washing | Perspiration | Hypochlorite | Dischargeability |
| Direct Yellow 3GX Direct Yellow 6 | 3 | 2 | 4 | 4 | F |
| Direct Paper Yellow T Direct Yellow 11 | 4 | 2-3 | 4 | 4-5 | P |
| Direct Crysophinine Direct Yellow 12 | 4-5 | 2 | 5 | 2 | F |
| Direct Yellow 5GLL H/C Direct Yellow 44 | 3 | 3 | 1 | 1 | G |
| Direct Yellow 5GLL Direct Yellow 44 | 3 | 3 | 1 | 1 | P |
| Direct Yellow RSLW Direct Yellow 50 | 6 | 4 | 5 | 5 | G |
| Direct Yellow RL Direct Yellow 86 | 6 | 4 | 5 | 5 | G |
| Direct Sunfast Yellow RCH Direct Yellow 99 | 4 | 2-3 | 4 | 2-3 | F |
| Direct Orange SE 200% Direct Orange 26 | 4 | 4 | 4-5 | 4-5 | F |
| Direct Orange TGLL Direct Orange 39 | 6-7 | 3 | 5 | 2 | F |
| Direct Orange TGLL 200% Direct Orange 39 | 6-7 | 3 | 5 | 2 | F |
| Direct Viscose Orange BRO Direct Orange 108 | 2 | 2 | 5 | 5 | G |
| Direct Scarlet 4BS Direct Red 23 | 3 | 3-4 | 4 | 4 | F |
| Direct Red 12B Direct Red 31 | 1-2 | 3 | 3 | 3 | F |
| Direct Light Red BLN Direct Red 80 | 6 | 3 | 5 | 5 | F |


| | | | | | |
|---|-----|-----|---|---|---|
| Direct Red 5B Direct Red 81 | 4-5 | 3 | 4 | 4 | G |
| Direct Red 5B 200% Direct Red 81 | 4-5 | 3 | 4 | 4 | G |
| Direct Violet MB Direct Violet 9 | 2-3 | 2 | 5 | 5 | G |
| Direct Brill Violet HELIO B Direct Violet 51 | 2-3 | 2 | 5 | 5 | G |
| Direct Sky Blue FBC Direct Blue 1 | 2 | 3-4 | 5 | 5 | F |
| Direct Sky Blue FFH Direct Blue 15 | 2 | 3-4 | 5 | 5 | F |
| Direct Blue JJR Direct Blue 67 | 4 | 3 | 4 | 4 | P |
| Direct Blue GLL Direct Blue 71 | 5 | 3-4 | 5 | 5 | F |
| Direct Blue GLL 200% Direct Blue 71 | 5 | 3-4 | 5 | 5 | F |
| Direct Fast Blue RLL Direct Blue 80 | 6 | 3 | 5 | 5 | G |
| Direct Tur. Blue SBL Direct Blue 86 | 6-7 | 4 | 5 | 1 | F |
| Direct Fast Tur. Blue FBL Direct Blue 199 | 4 | 3-4 | 4 | 4 | F |
| Direct Green JJR Direct Green 26 | 5 | 3-4 | 5 | 5 | F |
| Direct Green NB Direct Green 96 | 5 | 3-4 | 5 | 5 | F |
| Direct Black GR Direct Black 22 | 2 | 3 | 4 | 4 | G |
| Direct Diazo Black OB Direct Black 80 | 2 | 3 | 3 | 4 | G |
| Direct Diazo Black BF Direct Black 155 | 2 | 3-4 | 4 | 4 | G |


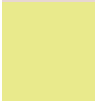
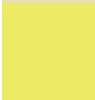

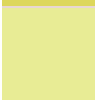
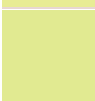











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|---|------------------|-----|---|-----|-----|---|
|  | Direct Gray 2RL | 4 | 3 | 4-5 | 4-5 | F |
|  | Direct Brown 2GL | 5-6 | 3 | 3 | 3 | F |

Non Benzidine Direct Dyes

| Non Benzidine Direct Dyes | | Fastness Properties | | | | |
|---|-------------------------------------|---------------------|--------------|--------------|------------------|---|
| | | Light Washing | Perspiration | Hypochlorite | Dischargeability | |
|  | Direct Orange GR Direct Orange 1 | 3-4 | 3 | 4-5 | 3 | F |
|  | Direct Boxdex BW Direct Red 13 | 2 | 2 | 3-4 | 3-4 | F |
|  | Direct Congo Red Direct Red 28 | 2 | 2 | 4 | 4 | G |
|  | Direct Blue 2B Direct Blue 6 | 2 | 3 | 5 | 4 | G |
|  | Direct Green PLS Direct Green 1 | 2 | 3 | 4-5 | 3-4 | G |
|  | Direct Green B Direct Green 6 | 2 | 3 | 4-5 | 3-4 | G |
|  | Direct Black BT Direct Black 2 | 3 | 3 | 5 | 4 | F |
|  | Direct Black E Direct Black 38 | 2-3 | 2-3 | 3-4 | 3 | F |
|  | Direct Brown BRLL | 3-4 | 2 | 4-5 | 4-5 | P |
|  | Direct Brown MR Direct Brown 2 | 3-4 | 2 | 3-4 | 3 | F |

Liquid Direct Dyes

| Salt Free Dyes (Liquid) (Liquid) | | |
|---|----------------------------|------------|
| Shades | Product Name | Percentage |
|  | Direct Yellow 11 (Greener) | 45% |

| | | |
|---|---------------------------|-----|
|  | Direct Yellow 11 (Redder) | 45% |
|  | Direct Yellow 44 | 35% |
|  | Direct Yellow 86 | 35% |
|  | Direct Yellow 107/132 | 32% |
|  | Direct Yellow 147 | 25% |
|  | Direct Yellow 157 | 25% |
|  | Direct Orange 15 | 25% |
|  | Direct Orange 39 | 35% |
|  | Direct Orange 102/118 | 35% |
|  | Direct Red 80 | 45% |
|  | Direct Red 81 | 45% |
|  | Direct Red 227 | 25% |
|  | Direct Red 239 | 35% |
|  | Direct Red 254 | 30% |
|  | Direct Violet 9 | 35% |
|  | Direct Violet 35 | 35% |
|  | Direct Violet 51 | 35% |

| | |
|---------------------|-----|
| Direct Blue 14 (2R) | 25% |
| Direct Blue 71 | 25% |
| Direct Blue 80 | 30% |
| Direct Blue 86 | 35% |
| Direct Blue 199 | 35% |
| Direct Blue 279 | 30% |
| Direct Blue 290 | 30% |
| Direct Black 19 | 20% |
| Direct Black 168 | 35% |
| Direct Brown 44 | 35% |