

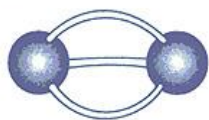
MATAPELE CHEMICALS
● PIGMENT PREPARATIONS
● SPECIAL ADDITIVES

TECHNICAL PUBLICATION

RAINBOW® BLUE 15:0

Specifications:

Form	:	Fine Dry Powder
Pigment Type	:	Stable Copper Phthalocyanine
C.I. Pigment	:	Blue 15:0
C.I No.	:	74160
Oil absorption	:	40.0 g ± 5
pH	:	6.0 - 8.0
Light Fastness (Blue Wool Scale)	:	Full Shade - 7 Tint Shade (1:40) - 6
Chemical Resistance	:	Acid - 5 Alkali - 5
Bleed Resistance	:	Water - 5 Oil - 5
Major Application	:	Emulsion Paints (O.B.D/P.E.P) Cement Paints Inks (Letterpress / Offset) Water- Based Liquid Inks (Flexo/ Gravure) Rubber – Natural / Synthetics Plastics (Thermoplasts / Thermosets) Leather cloth / Aqueous Dispersions



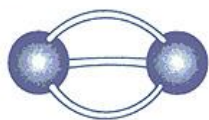
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TECHNICAL PUBLICATION

RAINBOW® BLUE 15:1

Specifications:

Form	:	Fine Dry Powder
Pigment Type	:	Phthalocyanine copper complex
C.I. Pigment	:	Blue 15:1
C.I No.	:	74160
Oil absorption	:	38 – 42 %
pH	:	6.0 - 8.0
Heat stability	:	Stable up to 280°C
Light Fastness (Blue Wool Scale)	:	Full Shade - 8
Chemical Resistance	:	Acid - 5 Alkali - 5
Bleed Resistance	:	Water - 5 Oil - 5
Major Application	:	Paints : Water base & Solvent Base. (Solvent Stable) Plastics : P.P., HDPE, LDPE, LLDPE, PVC. (Heat Stable up to 300°C) Inks : Water base & Solvent Base. (Solvent Stable)



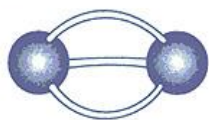
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TECHNICAL PUBLICATION

RAINBOW® BLUE 15:2

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Synthetic organic, copper phthalocyanine
C.I. Pigment	:	Blue 15:2
C.I No.	:	74160
Oil Absorption	:	40g / 100g
Specific gravity	:	1.6g/mL
Heat resistance	:	30 Min. in 200 °C - 5 10 Min. in 260 °C - 5
Light Fastness (Blue Wool Scale)	:	Full Shade - 7-8 Tint Shade - 7-8
Chemical Resistance	:	Acid - 5 Alkali - 5
Bleed Resistance	:	Water - 5-6 Ethanol - 5 Toluene - 5-6 Naphtha - 5-6
Major Application	:	Mainly used for paints and coatings. Plastics



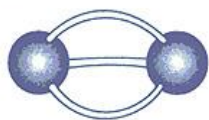
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TECHNICAL PUBLICATION

RAINBOW[®] RED 49:1 WB

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Monoazo Condensation
C.I. Pigment	:	Red 49:1
C.I. No.	:	15630:1
Oil absorption	:	≤ 50g/100g
pH	:	7.0 – 8.0
Heat Resistance	:	160°C
Light Fastness (Blue Wool Scale)	:	Full Shade - 5
Chemical Resistance :	Acid	- 3
(5 = excellent)	Alkali	- 3
Bleed Resistance	:	Oil - 3
(5 = excellent)		
Major Application	:	Water-based Ink



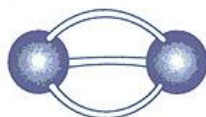
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TECHNICAL PUBLICATION

RAINBOW® RED 53:1 CNL

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Monoazo Condensation
C.I. Pigment	:	Red 53:1 CNL
C.I. No.	:	15585:1
Oil absorption	:	45 – 55%
Heat Resistance	:	130°C
Light Fastness (Blue Wool Scale)	:	Full Shade - 4
Chemical Resistance : (5 = excellent)	Acid	- 4-5
	Alkali	- 2
Bleed Resistance : (5 = excellent)	Water	- 4-5
	Oil	- 4
	Paraffin Wax	- 5
Major Application	:	Solvent Printing Ink



MATAPEL CHEMICALS

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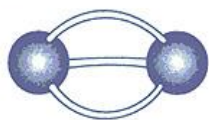
TECHNICAL PUBLICATION

RAINBOW[®] RED 53:1 Y

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Monoazo
C.I. Pigment	:	Red 53:1
C.I. No.	:	15585:1
Oil absorption	:	30 - 50
pH	:	7.0 – 8.0
Heat Resistance	:	170 ^o C
Light Fastness (Blue Wool Scale)	:	Full Shade - 5 Tint Shade - 4
Chemical Resistance	:	Acid - 3 Alkali - 3
Bleed Resistance	:	Ethanol - 4 Xylene - 3 M.E.K. - 3 Mineral Spirit - 4 Water - 5
Major Applications	:	Flexographic and offset printing inks, textile printing, paper and crayons, plastics

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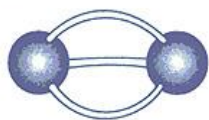
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RAINBOW® YELLOW 12 B

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Monoazo Condensation
C.I. Pigment	:	Yellow 12
C.I No.	:	21090
Oil absorption	:	45 – 55%
pH	:	7.50
Heat Resistance	:	180°C
Light Fastness (Blue Wool Scale)	:	Full Shade - 4
Chemical Resistance	:	Acid - 5 Alkali - 4-5
Bleed Resistance	:	Water - 5 Oil - 5 Paraffin Wax - 4-5
Major Application	:	Solvent Printing Ink



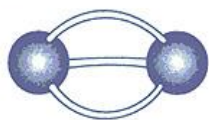
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TECHNICAL PUBLICATION

RAINBOW® YELLOW 14 OPAQUE

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Disazo Condensation
C.I. Pigment	:	Yellow 14
C.I No.	:	21095
Oil absorption	:	40 – 55%
pH	:	8.0
Heat Resistance	:	200°C
Light Fastness (Blue Wool Scale)	:	Full Shade - 6
Chemical Resistance	:	Acid - 5 Alkali - 4
Bleed Resistance	:	Water - 5 Oil - 5 Paraffin Wax - 5
Major Application	:	Water-based Printing Ink, Plastic, PVC



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TECHNICAL PUBLICATION

RAINBOW® YELLOW 14

Specifications:

Form	:	100% Dry Toner
Pigment Type	:	Disazo Condensation
C.I. Pigment	:	Yellow 14
C.I No.	:	21095
Oil absorption	:	40 – 55%
pH	:	8.0
Heat Resistance	:	200°C
Light Fastness (Blue Wool Scale)	:	Full Shade - 6
Chemical Resistance	:	Acid - 5 Alkali - 4
Bleed Resistance	:	Water - 5 Oil - 5 Paraffin Wax - 5
Major Application	:	Water-based Printing Ink, Plastic, PVC