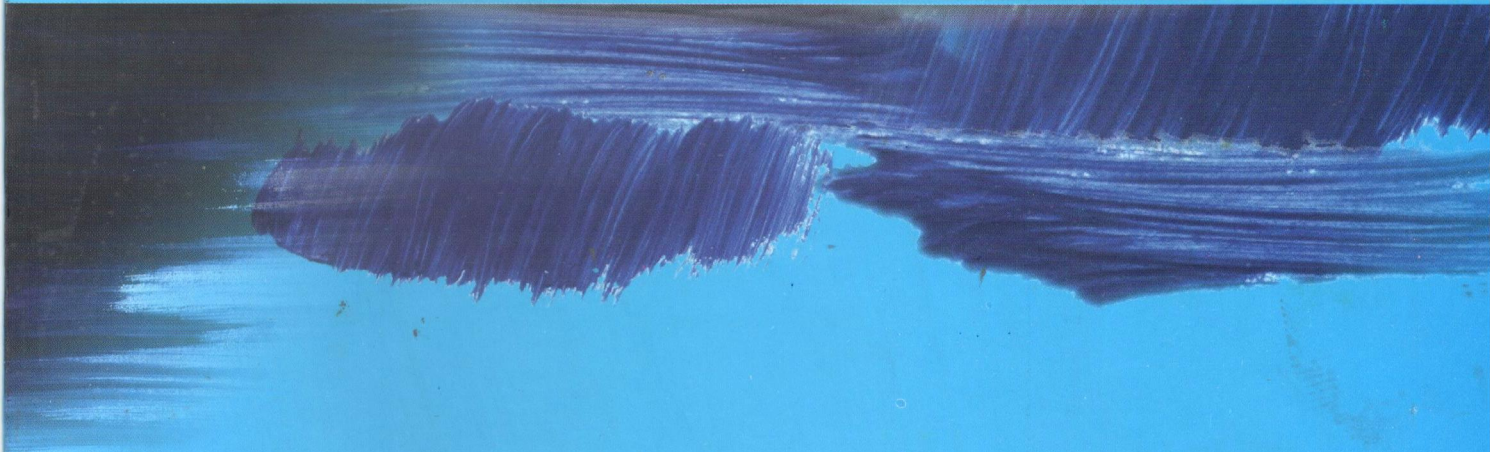
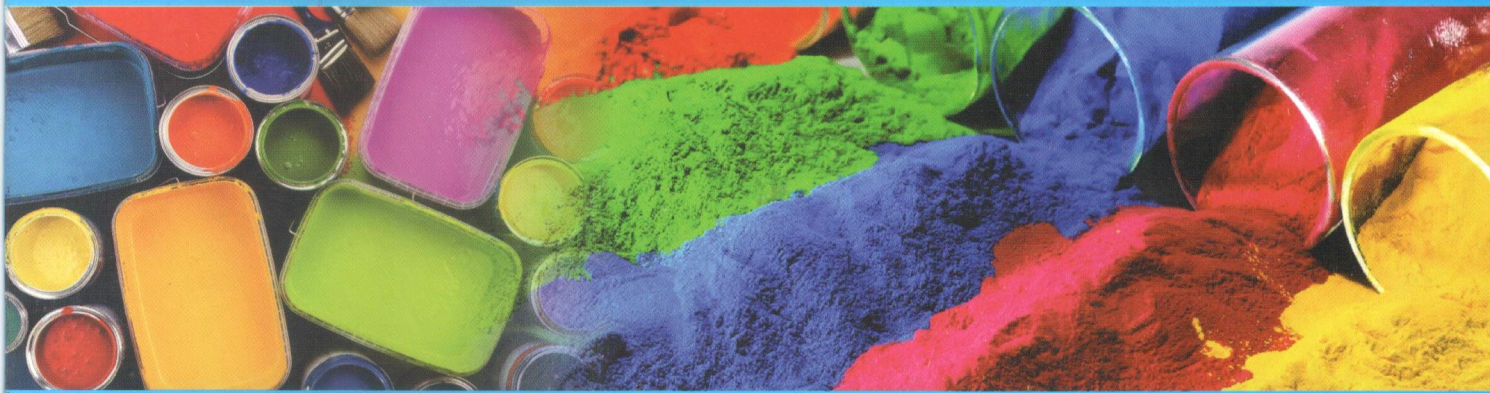


Pigmafine[®]

Ready to use "Pigment Dispersions"
For Decorative Paints & Water Based Flexographic Inks

Excellent choice for creating vibrant new shades



M.N. Chemical Industries (Pvt) Ltd.
Manufacturers of Pigments, Chemicals & Textile Auxiliaries



Pigmafine Concentrated Pigment Dispersions:

Pigmafine MP range represents emulsions for water based ink and paint applications. Pigmafine MP is an innovative product line developed to be used in point of sales tinting systems (automatic or manual, volumetric or gravimetric), paint and ink industries.

Pigmafine MP is the pigment dispersions created especially for water based paints and systems. These are concentrated pigment dispersions, ready to use, pourable, without binders, solvents and alkyl-phenol ethoxylates free (no VOC and APEO free), based on wetting and dispersing additives approved for consumption in EU, Americas and Japan.

Pigmafine MP is used to color Polymetric resins based water paints/Inks such as:

- Decorative, transpiring, washable etc, water based paints for internal and external uses.
- Acrylic and styrene-acrylic paint.
- Quartz acrylic and Vinyl Paints.
- Water Based Inks.

★ We enjoy special control on this range because we are the basic manufacturers of organic pigments and pigment raw materials.

Pigmafine MU range represents universal Dispersions suitable both for water based and solvent base systems. Pigmafine MU is an innovative product line developed to be used in point of sale tinting systems (automatic or manual, volumetric or gravimetric), suitable for all the tinting machines worldwide.

This range created especially for water and solvent based decorative paints and systems. It is a concentrated ready to use pigments dispersion, pourable, without binders, solvents and alkyl phenol ethoxylates free (no VOC and APEO free), based on patented system of high molecular weight wetting and dispersing agent.

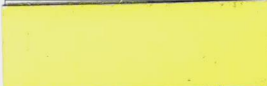
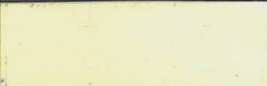

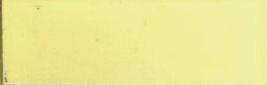



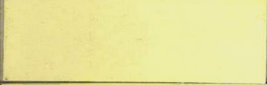

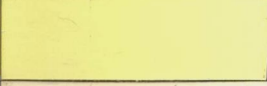


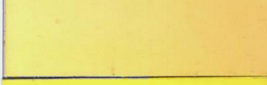
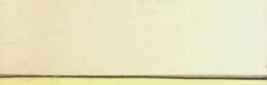
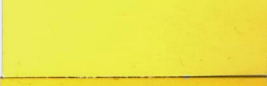
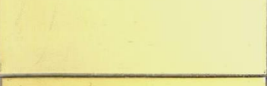

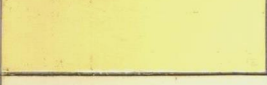
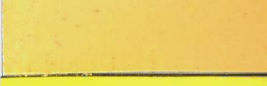
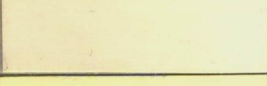

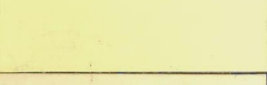
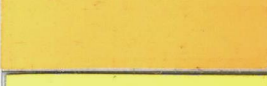
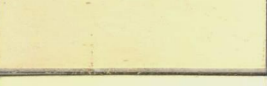


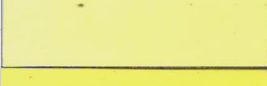
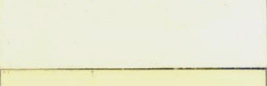

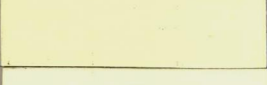



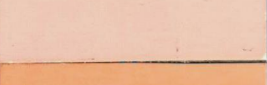


Pigmafine MU is suitable for colouring products such as:

- Polymetric resins based watery emulsions
- Decoraative, transpiring, washable etc, water paints both for internal and external uses.
- Acrylic siloxanic water paints
- Quartz acrylic water paints
- Solvent based enamels
- Alkyd, glycerophthalic etc enamels
- Rapid drying enamels.

Our Quality Control Department works day and night to make sure that all batches produced are upto the mark and there is on difference in shade quality and consistency is maintained

Pigmafine Concentrated Pigment Dispersions:

Technical Information (a guideline for formulators to choose best product for particular requirement)

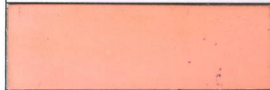
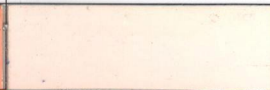
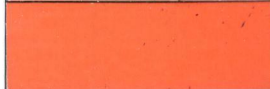
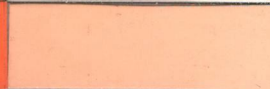
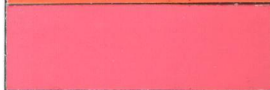
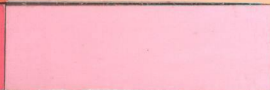
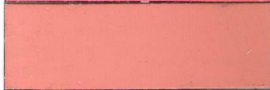
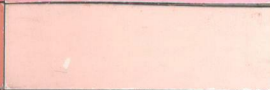



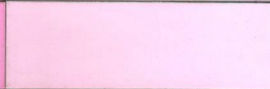
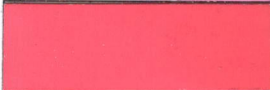
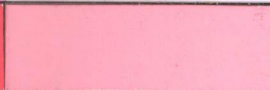
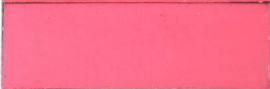
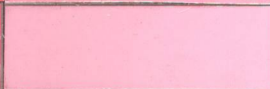
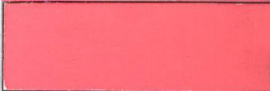
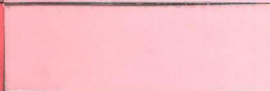
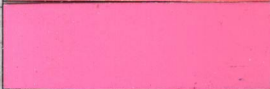
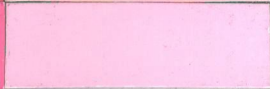

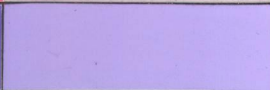
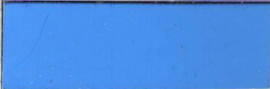
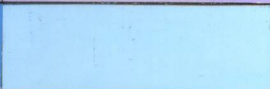

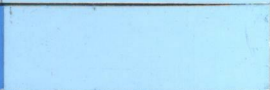
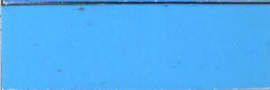
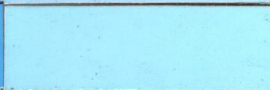

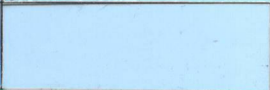

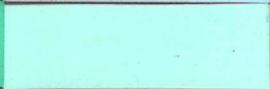

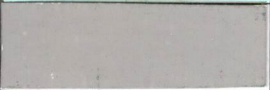
Shades		Product Name & Code	C.I. Number	Light Fastness		Weather Fastness		Resistance to Alkali
Full	Tint			Full	Tint	Full	Tint	
		Pigmafine Yellow M P-10G / MU-10G	PY 3	7	6	4-5	3-4	5
		Pigmafine Yellow M PGG / MU-GG	PY 12	4-5	3-4	3	2	5
		Pigmafine Yellow M P-PR / MU-PR	PY 13	5-6	4-5	4	3	5
		Pigmafine Yellow M P-2G / MU-2G	PY 14	6	5	3	2	4
		Pigmafine Yellow M P-3G / MU-3G	PY 17	6	5	3-4	2-3	4
		Pigmafine Yellow MP-IN / MU-IN	PY 42	8	8	5	5	5
		Pigmafine Yellow MPR / MUR	PY 65	6-7	5-6	4	3	4
		Pigmafine Yellow MP-GR / MU-GR	PY 74	6-7	5-6	4-5	2-3	5
		Pigmafine Yellow MP-RR / MU-RR	PY 83	6-7	6	4	3-4	5
		Pigmafine Yellow MP-HFR / MU-HFR	PY 110	8	7	5	4	5
		Pigmafine Yellow MP-HF4G / MU-HF4G	PY 138	7	5-6	5	4	5
		Pigmafine Yellow MP-HF2R / MU-HF2R	PY 139	7-8	6-4	5	3-4	5
		Pigmafine Yellow MP-HF2G / MU-HF2G	PY 151	8	7	5	4	5
		Pigmafine Yellow MP-HFG / MU-HFG	PY 154	8	7	5	4	5
		Pigmafine Yellow MP-HF3G / MU-HF3G	PY 155	7	6	5	4	5
		Pigmafine Yellow MP-HFM / MU-HFM	PY 184	7	6	5	4	5
		Pigmafine Orange MP-R / MU-R	PO 5	6	5	4-5	4	5
		Pigmafine Orange MP-GR / MU-GR	PO 34	6	5	4-5	4	5

Light fastness is assessed on I-8 Blue Wool Scale Where 1 = Poor & 8 = Excellent

Weather fastness is assessed on I-5 Gray Scale Where 1 = Poor & 5 = Excellent

Pigmafine Concentrated Pigment Dispersions:

Technical Information (a guideline for formulators to choose best product for particular requirement)

Shades		Product Name & Code	C.I. Number	Light Fastness		Weather Fastness		Resistance to Alkali
Full	Tint			Full	Tint	Full	Tint	
		Pigmafine Orange MP-G2R / MU-G2R	PO 36	8	7	4	3-4	5
		Pigmafine Orange MP-HFR / MU-HFR	PO 73	8	7-8	4-5	4	5
		Pigmafine Red MP-SCR / MU-SCR	PR 3	6-7	3-4	2	1	4-5
		Pigmafine Red MP-IN / MU-IN	PR 101	8	8	5	5	4
		Pigmafine Red MP-CR / MU-CR	PR 112	7-8	5-6	4	3	3
		Pigmafine Red MP-3R / MU-3R	PR 122	7-8	7	4-5	4	5
		Pigmafine Red MP-HR / MU-HR	PR 168	8	7	5	4	5
		Pigmafine Red MP-GC / MU-GC	PR 170	7-8	6-7	4-5	4	5
		Pigmafine Red MP-HFR / MU-HFR	PR 254	7-8	6-7	4-5	4	5
		Pigmafine Violet MP-HFB / MU-HFB	PV 19	7-8	5-6	4-5	4	5
		Pigmafine Violet MP-HFR / MU-HFR	PV 23	7-8	7	5	4-5	5
		Pigmafine Blue MP-BO / MU-BO	PB 15:0	8	8	5	4-5	5
		Pigmafine Blue MP-BA / MU-BA	PB 15:1	8	8	5	4-5	5
		Pigmafine Blue MP-BT / MU-BT	PB 15:3	8	8	5	4-5	5
		Pigmafine Blue MP-BR / MU-BR	PB 28	8	8	5	5	5
		Pigmafine Green MP-G / MU-G	PG 7	8	7-8	5	5	5
		Pigmafine Black MP-R / MU-R	PBK 7	8	8	5	5	5

Color Shades: For technical reasons associated with color reproduction, the colors shown here may vary from actual pigment shades used in few applications.

Mile Stones:

- Shalimar dyes founded in 1979
- MN Chemicals started production of organic pigments in 1995 with a capacity of 3000MT per annum
- In 2001, Investment was made in production of Phthalo-Cyanine pigments with a capacity of 1500MT per annum
- In 2004, Started producing synthetic thickener with a capacity of 2000 MT per annum, Also started to produce textile auxiliaries with an annual capacity of 5000 MT Per annum.
- In 2005, Started production of fluorescent brighteners for textile and paper industries with a capacity of 1000 MT per annum.
- In 2009, installed the first ever ultraviolet light stabilizer for polyofin's and other grades of plastics, producing products like HALS, Benzophenones, etc. with an annual capacity of 3000 MT Per Annum.
- In 2011, Research and Development work was started to for Pigmafine Pigment Dispersions for Coating Industries.

