



AGS ORGANICS PVT. LTD.

Mfg & Expt of Organics, Inorganic & Emulsion Pigments

PIGMENT YELLOW 1

Technical Data Sheet

Product Description

CI Generic Name	Pigment Yellow 1	Ags Product Code	AGSSUPERYELLOW IN107
CI No.	11680	CAS No.	2512-29-0
EINECS No.	219-730-8	Chemical Type	Monoazo Yellow
Molecular Formula	C17H16N4O4	Molecular Weight	340
Chemical Name	Butanamide, 2-[[4-methyl-2-nitrophenyl]azo]-3-oxo-n-phenyl		

Physical Properties

Sieve Residue (PPM)	1000 Max	Oder	Odorless
Oil Absorption (ml/gms)	50-70	Melting point/range	256-257°C
Bulk Density (ml/gms)	20-35	Flash Piont	Not Applicable
Salt Content	1.0% Max	Flammability	Non-flammable
Moisture Content	1.0% Max	Ignition Temperature	Not Applicable
PH Value	4.0-7.3	Danger of explosion	Not explosive. Dust can form an explosive mixture with air
Form	Powder	Solubility in water	Insouluble
Color	Bright Yellow	Vapour Pressure	Not Applicable

Fastness Properties & Solvent Properties

Heat Resistance	140°C	Xylene	3
Light Fastness	Mass: 7 Tint: 6	Ethyl Acetate	3
Weather Fastness	Mass: 3-4 Tint: 2	Methyl Ethyl Ketone	2-3
Over spray	3-4	Mineral Spirit	3-4
Water	5	Acid	5
Enthanol	3	Alkali	5

Application

Offset / Printing Ink	*
NC Lacquer / PA	-
Gravure Ink	*
Polyamide Ink	-
Flexo Ink / Vinyl Ink	*

Specification (Rules)

Colorist Properties	Strength: $\pm 5\%$	DA, DB, DE, DC, DH, DL: $\leq \pm 1.00$
Light fastness	Scale 1-8	1=Poor & 8=Excellent
Weather Fastness	Scale 1-5	1=Poor & 5=Excellent
Overspray	Scale 1-5	1=Poor & 5=Excellent
Solvent Fastness	Scale 1-5	1=Poor & 5=Excellent

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