



AGS ORGANICS PVT. LTD.

Mfg & Expt of Organics, Inorganic & Emulsion Pigments

PIGMENT ORANGE 5

Technical Data Sheet

Product Description

CI Generic Name	Pigment Orange 5	Ags Product Code	AGSSUPERORANGE IN144
CI No.	12075	CAS No.	3468-63-1
EINECS No.	222-429-4	Chemical Type	B-Naphthol
Molecular Formula	C16H10N4O5	Molecular Weight	338
Chemical Name	2-Naphthalenol , 1-[[2,4 dinitrophenyl]azo]		

Physical Properties

Sieve Residue (PPM)	500 Max	Oder	Odorless
Oil Absorption (ml/gms)	50-65	Melting point/range	302-318°C
Bulk Density (ml/gms)	15-35	Flash Piont	Not Applicable
Salt Content	1.0% Max	Flammability	Non-flammable
Moisture Content	1.0% Max	Ignition Temperature	Not Applicable
PH Value	3.5-7.0	Danger of explosion	Not explosive. Dust can form an explosive mixture with air
Form	Powder	Solubility in water	Insouluble
Color	Reddish Orange	Vapour Pressure	Not Applicable

Fastness Properties & Solvent Properties

Heat Resistance	160°C	Xylene	2
Light Fastness	Mass: 6 Tint: 6	Ethyl Acetate	2-3
Weather Fastness	Mass: 2-3 Tint:	Methyl Ethyl Ketone	2
Over spray	-	Mineral Spirit	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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