



# AGS ORGANICS PVT. LTD.

Mfg & Expt of Organics, Inorganic & Emulsion Pigments

## PIGMENT YELLOW 83

### Technical Data Sheet

#### Product Description

CI Generic Name	<b>Pigment Yellow 83</b>	Ags Product Code	<b>AGSSUPERYELLOW PL117</b>
CI No.	<b>21105</b>	CAS No.	<b>4531-49-1</b>
EINECS No.	<b>224-867-1</b>	Chemical Type	<b>Diarylide Yellow</b>
Molecular Formula	<b>C34H30CL2N6O6</b>	Molecular Weight	<b>690</b>
Chemical Name	<b>Butanamide,2,2'-[(3,3'-dichloro{1,1'-biphenyl}-4,4'diyl)bis(azo)]bis[N-(2-methoxyphenyl)]-3-oxo</b>		

#### Physical Properties

Sieve Residue (PPM)	<b>1000 Max</b>	Oder	<b>Odourless</b>
Oil Absorption (ml/gms)	<b>75-85</b>	Melting point/range	<b>380-420°C</b>
Bulk Density (ml/gms)	<b>25-40</b>	Flash Piont	<b>Not Applicable</b>
Salt Content	<b>1.0% Max</b>	Flammability	<b>Non-flammable</b>
Moisture Content	<b>1.0% Max</b>	Ignition Temperature	<b>Not Applicable</b>
PH Value	<b>4.4-6.9</b>	Danger of explosion	<b>Not explosive. Dust can form an explosive mixture with air</b>
Form	<b>Powder</b>	Solubility in water	<b>Insouluble</b>
Color	<b>Reddish Yellow</b>	Vapour Pressure	<b>Not Applicable</b>

#### Fastness Properties & Solvent Properties

Heat Resistance (Mass)	<b>200°C for 5 Min</b>	Weather Fastness	<b>Mass: 4-5</b>	<b>Tint:</b>
Heat Resistance (Tint)	<b>200°C for 5 Min</b>	Migration	<b>4-5</b>	
Light Fastness (Mass)	<b>7</b>	Acid	<b>5</b>	
Light Fastness (Tint)	<b>6-7</b>	Alkali	<b>5</b>	

#### Application

Cable Sheathing Compounds	*
LDPE, LLDPE, HDPE	-
PUR	*
Rubber	*
PO, PAN Spin Dyeing	*
Plasticized & Rigid PVC	*

#### Specification (Rules)

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

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