

## Sudajet™ Yellow 5311D

Pigment for Inkjet Inks

### Product Description

Sudajet Yellow 5311D is a specially designed high performance pigment for inkjet grade application. It is a highly transparent, greenish-yellow shade pigment from mono-azo class of chemistry and offers excellent dispersibility for ease of formulation. This pigment has a very fine particle size that enables excellent printing performance.

### Product Information

<b>Chemical Type</b>	Monoazo	<b>CAS NO.</b>	6358-31-2
<b>C. I. Name</b>	Pigment Yellow 74	<b>EINECS / ELINCS NO.</b>	228-768-4
<b>C. I. Constitution No.</b>	11741	<b>Physical Appearance</b>	Yellow powder

### Application Profile

Water Based Inkjet Ink	●	Solvent Based Inkjet Ink	--
Electrophotographic Toners	○	UV Curable Inkjet Ink	--

● Recommend | ○ Potential Use | -- Not recommended

### Technical Performance

	Full Shade	Tint	Bleeding in Xylene	2-3
Light Fastness	5-6	5	Bleeding in Methyl Ethyl Ketone	2
			Bleeding in Ethyl Acetate	2
Heat Stability	160°C		Bleeding in Cellosolve	3
			Bleeding in Mineral Turpentine	5

### Physical Properties

Oil Absorption	36 ± 10%
Specific Gravity	1.38 ± 0.1
Bulk Density (g/ml)	0.69 ± 0.1
pH Value	4 - 6
Volatile Matter	1% max
Conductivity (µs/cm)	< 200
Specific Surface Area (m <sup>2</sup> /g)	19.3

- ✓ **Light fastness:** Light fastness rating is assessed on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.
- ✓ **Heat Stability :** Heat stability values given indicate the maximum temperature at which the pigment can be stored for 10 min. on the full shade and in reductions without undergoing any significant change in shade.
- ✓ **Oil absorption:** The oil absorption is determined on the basis of EN ISO 787-5 and given in g linseed oil per 100 gm. pigment.
- ✓ **Solvent bleeding:** The bleeding in solvents is tested using the powder grades and the visual rating given on 1 to 5 Grey scale where 1 = 'Heavy bleeding' and 5 = 'No bleeding'

#### Disclaimer –

The information given in this data sheet is based on the present state of our knowledge & is intended as a general description of our products & their possible applications. Neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Because of the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases. It cannot be ruled out that this product contains particles < 0.1 µm. Any user of this product is responsible for determining the suitability of Sudarshan's products for its particular application & to ensure that any proprietary rights & existing laws & legislation are observed.