



**Allureglow USA**

Don't be left in the dark

## **ALLUREGLOW USA SOLVENT RESISTANT FLUORESCENT PIGMENTS BSR SERIES**

A fine particle size pigment with high tinctorial strength, manufactured in a thermoset matrix. For use where heat and solvent resistance are essential. These pigments are generally more suitable for long term storage in water systems. Formulated for optimal fade resistance.

### **Principal Applications**

- Flexo and Gravure Inks
- Screen and Textile Inks
- Polyol/Paintball Systems
- Aerosol, Brush-on, and Spray Paints
- Aqueous and Non-aqueous Systems
- Plastics

### **Product Features and Benefits**

- Fine Particle Size                      Pigments exhibit excellent dispersability
- Solvent Resistant                      Allows for use in wide range of solvents
- High Color Strength                      Extra strength pigments offer formula flexibility and increased value
- Broad Compatibility                      Formulations can be prepared in a wide range of media

### **Pigment Specifications**

Specific Gravity	1.3
Average Particle size <sup>3</sup>	3 to 5 microns
Hegman Grind	Approx. 5.5 or better
Softening Point	Thermoset Matrix (non-melting)
Decomposition Temp.	585°F to 600°F

<sup>1</sup> Among the factors affecting fading are the level of pigment loading, properties of the vehicle, thickness of application, presence of a protective overcoat and nature and angle of the light source

<sup>2</sup> Heat-stability is the degree of color shift following exposure to heat

<sup>3</sup> By spin centrifugation

**Solubility<sup>4</sup> and Bleed Resistance<sup>5,6</sup>**

	<u>Solubility</u>	<u>Bleed</u>
Aliphatic Hydrocarbons	A	1
Aromatic Hydrocarbons	A	1
Alcohols - low polarity	A	1-2
Alcohols - high polarity	B	3-4
Ketones - low polarity	B	2-3
Ketones - high polarity	C	3-4
Esters - low polarity	A	1-2
Esters - high polarity	B	2-4
Glycols	A	1-2
Glycol Ethers	B	3-4
Chlorinated Solvents - low polarity	A	1-2
Chlorinated Solvents - high polarity	B	2-4
Plasticizers	A-C	1-4

Note: Combinations of different solvents may give different results and should be tested

A - Insoluble            1 - None  
 B - Slightly Soluble    2 - Slight  
 C - Partly Soluble     3 - Moderate  
 D - Soluble              4 - Considerable

<sup>4</sup>Test conditions, Water bath, 30 minutes, 100°F

<sup>5</sup>Following solubility test, appearance of the supernatant liquid is observed

<sup>6</sup>Green fluorescent pigments generally exhibit superior bleed resistance



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## Color Guide

<u>COLOR</u>	<u>PRODUCT CODE</u>	
Pink	AG-BSR-PK211	
Red	AG-BSR-RD213	
Orange	AG-BSR-OG215	
Yellow	AG-BSR-YE217	
Green	AG-BSR-GR228	
Blue	AG-BSR-BL219	
Magenta	AG-BSR-MG221	
Invisible Blue	AG-BSR-CL001	

**Storage:** When stored in a cool, dry environment, BSR pigments have an indefinite shelf life. Colorant containers should be kept closed to minimize contamination.

**Toxicity:** Tests conducted through independent laboratories have found Allureglow USA BSR Series Fluorescent Pigments to be "essentially non-toxic." A summary of the test data is listed on the MSDS, which is available upon request. Good industrial hygiene and handling methods are essential in the use of all products whether or not they are determined to be hazardous.

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