

# Technical Data Sheet

## SPL-NX Series Dispersions

### General description

DayGlo SPL-NX fluorescent pigment dispersions are based on a unique formaldehyde-free pigment technology. They offer a bright, sub-micron, high strength, fluorescent pigment particle with good lightfastness properties.

As they are suspended in water, the dispersions are suitable for use in water-based inks and coatings. They're also VOC (Volatile Organic Compounds) free.

The DayGlo SPL-NX dispersions contain approximately 46% fluorescent pigment dispersed in water and a small percentage of alkali soluble acrylic resin. They are compatible with a wide range of aqueous systems.

Additives, co-solvents, and binder selection can influence the performance of the SPL-NX Series dispersions. The effects of these raw materials should be tested in the final application formula.

### Applications

- Water-based flexo Ink
- Water-based gravure Ink
- Waterborne coatings
- Paper coatings

### Available Colors

Product Code	Color
SPL-11NX	Aurora Pink
SPL-13NX	Rocket Red
SPL-14NX	Fire Orange
SPL-15NX	Blaze Orange
SPL-17NX	Saturn Yellow
SPL-18NX	Signal Green
SPL-21NX	Corona Magenta
SPL-25NX	Horizon Blue
SPL-594NXC	Invisible Blue

### Packaging:

5 Gallon Pails = 40 lb  
 55 Gallon Drums = 440 lb

### Storage & shelf life:

18 months when kept in closed original packaging in a dry place at ambient temperature.

### Safety & regulatory:

Safety Data Sheet available on request.

### Physical properties

Delivery form	Aqueous dispersion
Average particle size	0.25 - 0.45 $\mu$ m
Percent solids	46 - 50%
Specific gravity	1.0 - 1.1
pH	7.5 - 8.5
Viscosity	50 - 300 cps. @ 25°C

**Disclaimer:** Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

Processing	
Heat stability	60°C (140°F)
Handling	Good industrial hygiene practices should be observed, and users should avoid contact with skin and eyes. SPL-JX products should be used with good ventilation. See the SDS for more information
Dispersions are soluble and are easily mixed-in. To ensure homogeneity, the pH should be adjusted to a minimum of 8.0 before use with other ingredients	

### Lightfastness

There are limitations on lightfastness and weathering properties inherent in certain pigments. We recommend that the lightfastness and weathering properties be tested under customers' performance standards.