

AFN-09N

General information

General description:

- Ultra-violet responsive fluorescent submicron dispersion - free of formaldehyde - for water based formulations.
- A dyed/pigmented dispersion of an alkali soluble acrylic resin.

Standard colors:

Product name	Description
AFN-09N	UV Blue

Applications:

- UV Blue tracer for water based inks for flexo, gravure and textile.
- UV Blue tracer for water based paper coatings and paints.

Product features

- AFN-09N is relatively invisible in daylight, but produces a highly visible bright and vibrant blue color when exposed to ultra-violet.
- AFN-09N contains approximately 48% fluorescent pigment dispersed in water.
- AFN-09N is free of the following chemicals: Formaldehyde, Alkyl phenols (Ethoxylates), AZO compounds, Aromatic amines, SVHC Chemicals, Heavy Metals, Perfluorooctanoic Acid, Regulated Phthalates, Polyaromatic Hydrocarbons, Bisphenol A (BPA)
- For aqueous formulations, the use of preservatives is highly recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of micro-organisms in the intended formulation.

Packaging:

1 HDPE jerry-can = 20kg
 1 drum = 200kg
 MOQ = 20kg

Technical information⁽¹⁾

Physical properties

Delivery form	Liquid, 46-50% solids
Average particle size	0.25 – 0.45µm
Hegman grind	5.0 – 8.0
pH range	7.5 - 9.0
Specific gravity	1.0 - 1.1g/ml
Brookfield viscosity	50.0 – 350.0 cps

Processing

Solvent resistance	Water based product
Adding AFN-09N will purify the color and increase the UV response.	

Storage & shelf-life:

18 months after production date when kept in closed original packaging in a dry place at ambient temperatures. Dispersion should be protected from freezing.

Safety & regulatory:

Safety Data Sheet available on request.

⁽¹⁾Test methods and Certificate of Analysis (COA) available on request.

Do you need more technical & commercial information? Please consult **Product Promotion Sheet**.