

Technical Data Sheet

AFN-09N

General Description

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

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.

Standard Color

Product Name	Description
AFN-09N	UV Blue

Packaging:

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

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.

Physical properties	
Delivery form	Liquid, 46-50% solids
Particle size (Laser diffraction)	± 0.25 – 0.45µm
Hegman grind	5.0 – 8.0
pH range	7.5 – 9
Specific gravity	1.0 – 1.1 g/ml
Brookfield viscosity	50 – 350 cps @ 25°C

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

Processing

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

AFN-09N dispersion is designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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