



PARALOID™ NAD-10V

Acrylic Non-Aqueous Dispersion Resin for Coatings

Description

PARALOID NAD-10V acrylic resin is supplied as a stable dispersion of polymer particles in VM&P naphtha. This characteristic allows faster solvent release than that of solution resins. Unpigmented films of PARALOID NAD-10V resin are glossy and adherent and possess excellent clarity although PARALOID NAD-10V as supplied is milky white. A film coalescent is not required.

Typical Physical Properties

These properties are typical but do not constitute specifications.

Appearance	Milky white liquid
Solids content, %	39 to 41
Viscosity, cps	290 to 600
Weight per gallon, lbs	7.1
Flash point, TOC, °F	64
Ultimate Tukon hardness (baked)	9 to 10
Glass transition temperature, °C	35

Suggested Uses

The film properties and quick solvent release of PARALOID NAD-10V resin make it of interest in general industrial coatings applications and for printing inks. Formulators can use PARALOID NAD-10V resin to produce gravure inks, especially fluorescent inks, having improved color, stability, and printability. The following formulation is a typical fluorescent ink utilizing PARALOID NAD-10V. Although strong solvents are used, the Kauri Butanol value of the solvent system in this formulation is about 40 to 50.

Fluorescent Gravure Ink Formulation

PARALOID NAD-10V (as supplied)	30.0
Fluorescent pigment	45.0
Toner	1.0
VM&P naphtha	13.0
Toluene	1.0
Thickener	1.0
Textile spirits/toluene (9/1)	9.0
	100.0

Safe Handling Information

The Dow Chemical Company Material Safety Data Sheets (MSDS) contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Under the OSHA Hazard Communication Standard, workers must have access to and understand MSDS on all hazardous substances to which they are exposed. Thus, it is important that you provide appropriate training and information to your employees and make sure they have available to them MSDS on any hazardous products in their workplace.

The Dow Chemical Company sends MSDS on non-OSHA-hazardous as well as OSHA-hazardous products to its customers upon initial shipment, including samples. If you do not have access to one of these MSDS, please contact your local Dow representative for a copy.

Updated MSDS are sent upon revision to all customers of record. In addition, MSDS are sent annually to all customers receiving products deemed hazardous under the Superfund Amendments and Reauthorization Act.

MSDS should be obtained from suppliers of other materials recommended in this bulletin.

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