

Disponer 983

Wetting and Dispersing Agent

GENERAL INFORMATION

Disponer 983 is a polymeric wetting and dispersing agent for carbon black pigment in medium polar system.

CHEMICAL & PHYSICAL PROPERTIES

Composition	high molecular weight polymer
Appearance	slight brown liquid
Non-volatile content	52.5 - 54.5 %
Solvent	xylene / butyl acetate
Specific gravity	0.95 - 0.99
Acid value	≤ 5 mg KOH / g
Refractive index	1.470 - 1.480 (25 °C)

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Alkyd / melamine
- Polyester / melamine
- Acrylic / melamine
- Polyester polyurethane
- PU coating
- Gravure printing inks / Screen printing inks

KEY PROPERTIES

- When compared to conventional dispersing agents, **Disponer 983** is characterized by its multi-pigment-affinic groups, strong adsorption and thick barrier, especially in preventing dispersed pigments from re-flocculation.
- **Disponer 983** does not affect adhesion, water resistance, hardness and weather resistance.
- To improve the wetting of pigments, lowers surface tension between vehicle and pigments, therefore reduced grinding time and lower dispersion viscosity are achieved.
- Finished paint with addition of **Disponer 983** shows good colour development, hiding power, gloss and evenness.
- Be is suitable for medium to high polarity solvent based system.

INCORPORATION

Disponer 983 should be incorporated in the mixture of solvent, then adding pigment finally is resin, resin prior to the pigment.

Due to the variation of surface and oil-absorption characteristics of pigments as well as compatibility of dispersing agent in each coating systems, it is suggested to test at various dosages on pigment to obtain optimum results.

LEVELS OF USE

Carbon black : 20 - 80 % base on pigment.

HEALTH AND SAFETY

As it contains solvents, the product requires special care in handling.

Avoid any eye and skin contact.

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Keep away from sources of ignition and heat, as well as container tightly closed in a dry and well-ventilated place.

In storage, the appearance of Disponer 983 may be become haze or settling, please filter before use.

Stored between 0 °C to 40 °C.

Below 5 °C, appearance may be cloudy or separation, please heat (water bath) to clear then stir to uniform.

It sensitive to moisture and should therefore be stored in its sealed original containers.

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SHELF LIFE

Disponer 983 has a shelf life of 2(two) years from date of manufacture.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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