

Wetting and Dispersing Agent

GENERAL INFORMATION

Additive for polar and non-polar systems. Activity for the most part independent of the binder. For systems based on alkyd, epoxy, epoxies, acrylic resins, PUR, polyesters and vinyl compounds.

PHYSICAL PROPERTIES

Composition	solution of polycarboxylic acid polymer with modified polysiloxane
Appearance	yellow to brown, clear liquid
Non-volatile content	49 - 51%
Solvent	xylene / diisobutyl ketone
Specific gravity	0.92 - 0.95
Acid value	180 - 220 mg KOH / g
Refractive index	1.471 - 1.481 (25°C)

APPLICATIONS

- Ready paints
- Epoxy paints
- Polyester / melamine
- Acrylic / melamine
- Alkyd / melamine
- 2K polyurethane
- Gravure printing inks / screen printing inks

KEY PROPERTIES

- Among its other properties, **Disponer 904S** is highly effective in preventing floating of titanium dioxide pigments in paint formulations also containing colored pigments. As a pigment dispersing and wetting agent, it generally prevents hard settling deposits when basic pigments and carbonate fillers are used.

- In contrast to certain silicone oils, **Disponer 904S** does not as a rule produce cratering. It is a very effective flow promoter and eliminates surface disturbances in the film when added at the proper level. In addition, the scratch resistance and slip properties of the film are considerably improved. **Disponer 904S** can be used in both water-thinnable and solvent-containing systems.
- **Disponer 904S** functions independent of the binder system to a very great degree, allowing a wide range of use.

INCORPORATION

- Incorporated before grinding, dispersing with pigment.
- **Disponer 904S** can also be used as a post-additive, and is useful for corrections at this point. In this case, the amount to be used is 0.1% to 1.5 %, based on the total formulation.
- Please check the optimum dosage and test compatibility before use.

LEVELS OF USE

- Organic pigments : 2.0 - 5.0 % based on pigment.
- Inorganic pigments : 0.5 - 3.0 % based on pigment.

HANDLING AND SAFETY

- As it contains solvents, the product requires special care in handling.
- Avoid any eye and skin contact.
- For further information please check to MSDS.

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STORAGE RECOMMENDATIONS

- Keep away from sources of ignition and heat.
- Keep container tightly closed in a dry and well-ventilated place.
- Stored between 0°C to 40°C.
- Below 5°C, or above 40°C appearance may be cloudy or separation, when below 5°C, please heat water bath to clear then stir to uniform, but above 40°C, please return to 10 - 30°C then stir to uniform.
- It sensitive to moisture and should therefore be stored in its sealed original containers.

PACKAGING

Net Weight: 180/190 kg

SHELF LIFE

Disponer 904S has a shelf life of 18 months from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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