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Laropal® LR 9008

Product description Aqueous preparation of a modified aldehyde resin for the manufacture of aqueous pigment pastes.

Chemical nature Condensation product from urea and aliphatic aldehydes.

Properties

Physical form Liquid

Technical data
(not supply specification)

Assay	34–36 %
Viscosity at 23 °C (73 °F)	2–15 Pa·s
Shear rate D	25 s^{-1}
pH, 10 % solution	7.5–8.5
Density at 20 °C (68 °F)	~ 1.03 g/cm^3
Flash point	> 100 °C (212 °F)
Sensitivity to frost	0 °C (32 °F)

Application

Laropal® LR 9008 is used for the manufacture of aqueous pigment pastes which, among others, are combined with air- or oven-drying water-thinnable alkyd, acrylic and pure acrylic resins as well as polyurethane dispersions

It has outstanding wetting properties for inorganic and organic pigments. Pigment pastes are compatible with practically all water-reducible film-forming coatings raw materials.

The pigments pastes should be bead-milled to achieve an optimum degree of pigment dispersion. Three points should be observed in selecting pigments:

- Pigments should have sufficient fastnesses to light and weathering if the pigment paste is to be used for shading, in which case the pigment content in the finished paint will be very low.
- For best results in paste production, a pH value of approx. 8 is recommended.
- Using additional wetting agents (depending on the type of pigment) and an anti-settling agent to stabilize the viscosity may have to be considered.
- Adding 0.2–0.5 %, related to the paste formulation, of a commercial defoamer is recommended. Its suitability, particularly regarding long-time effectiveness, should be determined in trials.
- The pH value influences the viscosity of Laropal® LR 9008: the higher the pH, the higher the viscosity. Pigments contained in pastes (acidic or alkaline) influence the pH value. The viscosity can be adjusted with a neutralizing agent such as diethanol amine.

Storage

Laropal® LR 9008 should be stored in tightly sealed containers at 0–25 °C (32–77 °F). With adequate tank and storage hygiene measures adopted or if stored in original containers, Laropal® LR 9008 can, according to our experience, be stored for up to 6 months from the date of delivery. Extended storage may cause a reduction of viscosity. Adding a suitable neutralizer, e. g., dimethyl ethanolamine, will overturn this effect.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

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