Curesan® 199

Chemical Nature

A blocked-glyoxal based insolubilizer designed for the specialty coating additive market in paper and paperboard applications.

Properties

Typical Properties

Solids content	%	~ 45.0
pH		~ 5 – 7
Liquid density	lbs/gal	~ 9.1 – 9.3
Solubility		soluble in water
Appearance		light amber to light green

Application

Features

These resins are effective crosslinking agents for hydoxyl containing polymers such as protein and PVOH as well as for compounds containing anhydroglucose units.

Curesan resins are equally effective for high solids, pigmented coatings and size press applications. The resin improves printability, particularly in grades containing high synthetic binder contents.

Advantages

Curesan 199 has the following advantages:

- Eliminates a source of formaldehyde
- Improves printability in most paper grades
- Enhances wet and dry pick strength
- Improves wet rub properties
- Exhibits low coating viscosity with stable high shear rheology
- Has rapid off-machine cure at pH between 6.0 and 10.0
- Buffered to prevent pH shock of the coating

Processing

Curesan 199 insolubilizer is normally applied at the rate of 2 to 4% basis dry binder level. The exact usage level will vary depending on coating components and performance objectives. Your BASF representative can assist you in the determination of usage levels that will yield desired results.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Curesan 199.

Storage

Please refer to the “Handling and Storage of polymer dispersions” brochure.

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