



Product Code: 60370

TROYSERSE™ 98C

Dispersing Additive

Description

Troysperse™ 98C is a highly effective particle wetting and dispersing additive for the dispersion and stabilization of solid particles in non-aqueous systems.

Application & Use

Troysperse 98C is extremely effective for difficult to disperse pigments such as carbon blacks, phthalocyanines, organics and transparent oxides. Troysperse 98C is effective in high solids, VOC compliant, non-aqueous coatings for improving product rheology and color acceptance. Suitable for most solvent systems including:

- Alkyd and modified alkyd
- Polyester
- Epoxy
- Acrylic
- Vinyl

Product Highlights

- Fast, stable dispersions
- High-pigment loading
- Strong color development
- Improved gloss
- Improved opacity with hiding pigments
- Improved color and transparency with transparent pigments
- Excellent color acceptance in tinting bases
- Improved flow and leveling in high solids systems

Physical Properties

The following are typical properties of Troysperse 98C; they are not to be considered product specifications.

Appearance: Viscous amber liquid
Specific Gravity, 25°C:..... 0.9
Viscosity, 25°C (Gardner):..... Z3
Flash Point (ASTM D3278-96):..... 110°C

Function/Activity

The use level for Troysperse™ 98C will vary widely with the surface area of the particle being dispersed and the wetting properties of the dispersing medium. Troysperse 98C should be added to the liquid dispersing medium prior to incorporation of the dry particle. Optimization of the dispersant level is critical and can be determined by running a ladder study within the guidelines listed. General guidelines for some pigments (% dispersant based on pigment weight) are:

	% Wt/Wt
Carbon black pigments	20 – 45%
Phthalocyanine pigments.....	15 – 25%
Organic color pigments.....	10 – 15%
Transparent iron oxide pigments	5 – 8%
Inorganic pigments	2 – 5%
Titanium dioxide.....	0.5 – 1%
Inert and extender pigments	0.5 – 1%

Formulating Considerations

Troysperse 98C should be incorporated in the pigment dispersion stage of manufacture, adding it prior to the dry pigments. A ladder study, using the Troy guidelines, should be carried out to determine the optimum dispersant level. The optimum dispersant level for any pigment or combination of pigments is determined by measuring and graphing color strength (hiding) and paste viscosity versus dispersant dose rate. The level at which the dispersed paste exhibits the highest color strength (hiding) and lowest paste viscosity is the optimum.

In high solids and tinting base systems, Troysperse 98C may be post added for improved surface flow & leveling, gloss, and color acceptance.

When incorporating Troysperse 98C, 2-component reactive systems should be checked for stability.

Shipping & Packaging

Troysperse 98C is packaged in:

Shipping Container	Net Weight	Shipping Container	Net Weight
Pail	35 lbs. / 16 kg	Large Drum	400 lbs. / 181 kg
Small Drum	99 lbs. / 45 kg		

Product Safety & Additional Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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