



Product Code: 60367

TROYSERSE™ CD1

Pigment Dispersant for Non-Aqueous Systems

Description

Troysperse™ CD1 is a general purpose polymeric pigment dispersant and wetting additive for non-aqueous systems. As a 70% active solution, Troysperse CD1 promotes efficient pigment dispersion with improved gloss and color development.

Application & Use

Troysperse CD1 allows the formulator to achieve high pigment loadings and fast pigment dispersion time in non-aqueous systems. Troysperse CD1 will also improve color uniformity and development. The efficient dispersing action of Troysperse CD1 provides high initial gloss and improved gloss retention. Applications include pigment dispersions in:

- Short, medium and long alkyds
- Polyesters
- Urethanes
- Epoxies
- Acrylics

Product Highlights

- Higher solids loadings
- Reduced dispersion time
- Broad compatibility
- Increased gloss
- Improved gloss retention
- Maximum color development
- Improved resin compatibility

Physical Properties

The following are typical properties of Troysperse CD1; they are not to be considered product specifications.

Appearance:	Amber liquid
Specific Gravity, 25°C:.....	0.96
Color (Gardner).....	10
Viscosity (Gardner)	X
Non-Volatile (Typical)	70

Function/Activity

The correct use level of **Troysperse™ CD1** will vary widely with the surface area of the particle being dispersed and the wetting properties of the binder system. General guidelines for some pigments (based on pigment weight) are:

	% Wt/Wt
Carbon Black	15% - 22%
Phthalocyanine Pigments	10% - 15%
Organic Color Pigments.....	8% - 15%
Iron Oxide Pigments	2% - 5%
Transparent Iron Oxide Pigments.....	5% - 8%
Titanium Dioxide	0.5% - 1%
Extender Pigments	0.5% - 1%

Formulating Considerations

Incorporation

Troysperse CD1 should be included in the pigment dispersion stage of system manufacture. Adding prior to the addition of the pigments will allow maximum dispersing efficiency.

Use Level

Troysperse CD1 is normally used at levels ranging from 0.25 – 1.0% based on total formulation weight. The optimum level will depend on the specific formulation.

Shipping & Packaging

Troysperse CD1 is packaged in:

Shipping Container	Net Weight	Shipping Container	Net Weight
Pail	40 lb. / 18 kg	Large Drum	420 lb. / 191 kg
Small Drum	99 lb. / 45 kg	Tote	1984 lbs. / 900 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.

TROY DOES NOT MAKE AND IS NOT TO BE HELD LIABLE FOR ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR USE OR PURPOSE, NON-INFRINGEMENT, OR FOR ANY OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESS, OR IMPLIED FOR THESE PRODUCTS. BUYER ASSUMES ALL RISK AND LIABILITY WITH RESPECT TO RESULTS OBTAINED BY THE USE OF ANY PRODUCT WHETHER USED ALONE OR IN COMBINATION WITH OTHER MATERIALS OR SUBSTANCES. No statements or recommendations contained herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence. Under no circumstances shall Troy Corporation or its affiliates ("Troy") be liable for incidental, consequential, special, indirect, or punitive damages (including, but not limited to, damages for lost profits, data, business, or goodwill), even if Troy had been advised or was otherwise aware of the possibility of such damages or if such damages were reasonably foreseeable, from any claim of any kind whatsoever, regardless of the theory on which a claim may be made, including, without limitation, negligence, contract, breach of warranty, absolute liability in tort, misrepresentation, or otherwise arising out of the use or handling of these products. THE SOLE LIABILITY OF TROY FOR ANY CLAIMS ARISING OUT OF THE MANUFACTURE, USE OR SALE OF ITS PRODUCTS SHALL BE FOR THE BUYER'S PURCHASE PRICE. ANY TECHNICAL ADVICE OR INFORMATION IN THIS DOCUMENT IS PROVIDED GRATIS AND TROY ASSUMES NO OBLIGATION OR LIABILITY FOR SUCH ADVICE OR INFORMATION OR FOR THE RESULTS OBTAINED. ANY TECHNICAL ADVICE OR INFORMATION SHALL NOT CONSTITUTE A WARRANTY AS TO ANY MATTER, ALL SUCH ADVICE OR INFORMATION BEING GIVEN AND ACCEPTED AT BUYER'S OWN RISK. BUYERS SHOULD CONDUCT THEIR OWN TESTS IN ACTUAL USE CONDITIONS BEFORE COMMERCIAL USE OF THE PRODUCTS. The foregoing shall not apply to the extent precluded or limited by applicable law, but shall otherwise be enforced to the fullest extent allowable under applicable law.