

DESCRIPTION

OXITIVE® 8201 is a dispersing, wetting and compatibilizer agent for pigment dispersion and tinting system.

PHYSICAL PROPERTIES¹

Appearance (25°C)	Liquid or paste
Solids Content, wt%	~ 100
pH (1% p/p, aqueous at 25°C)	6.0 - 9.0
Viscosity (cP)	2600 @25°C
Water (% in weight)	1.0 max.
HLB (Hydrophilic-lipophilic balance)	13.5
CMC (g/L)	0.02
Surface Tension – 0.1% w/v at 25°C	43.1
(mN/m)	43.1

APPLICATION RESULTS

Table 1. Pigment Concentrate Formulation and Thermal stability evaluation.

Formulation			
Component	% (weight)		
Water	54.4		
OXITIVE® 8201	5.1		
Defoamer	0.3		
Biocide	0.2		
Carbon Black Pigment - Monarch 430	40.0		
Viscosity and thermal stability			
Condition	Viscosity (cP)		
Initial	75		
After 7 days @5°C	63		
After 7 days @25°C	67		
After 7 days @52°C	94		

Table 2. Color compatibility with different systems – Pigment Concentrate incorporated at 2.0% (wt) on paints.

System evaluated	Rub-out (ΔE)
Alkyd Solvent-borne Enamel	0.45
Semi-gloss Acrylic Water-borne Paint	0.15
Matte Acrylic Water-borne Paint	0.19

CHARACTERISTICS AND BENEFITS

OXITIVE® 8201 offers excellent wetting and dispersing properties, which enables the use in the production of low-VOC pigment concentrates for in plant and POS use. OXITIVE® 8201 can also be used as a compatibilizer agent, especially with organic and carbon black pigments.

OXITIVE® 8201 strongly reduces the system viscosity, enabling the maximum pigment incorporation and ensuring the stability under different temperatures.

Pigment concentrates formulated with OXITIVE® 8201 present excellent compatibility with water-borne and alkyd solvent-borne coatings, resulting on high tinting strength and reduced rub-out.

STORAGE AND HANDLING

Store in a covered, well-ventilated area, away from sunlight and away from sources of heat or open flame. Ensure that the storage locale has adequate control of temperature, pressure, and humidity. Keep the containers hermetically sealed when not in use. Avoid inhalation and contact with eyes, skin or clothing through proper protection. For more information, consult the Safety Data Sheet (SDS).

SHELF LIFE

24 Months from the manufacturing date.

STANDARD PACKAGING

Drums	Samples
Bulk	

REGULATORY

CAS ²	-
USA (TSCA)	Listed
Canada (DSL)	Not Listed
Australia (AICS)	Listed
China (IECSC)	Listed
Korea (ECL)	Listed
New Zealand (NZIoC)	Listed
Phillipines (PICCS)	Listed

¹The physical properties described in the table are only for informational purposes and may be changed without notice. Please contact Oxiteno for updated data. ²Chemical Abstracts Service.

DISCLAIMER

This information is given in good faith, based on Oxiteno's current knowledge on the subject, and is purely indicative. Any information, including suggestions for using the products, should not preclude experimental testing and verification, which are essential to ensure the suitability of the products to each specific application. All users shall also abide by local laws and obtain all necessary permits. When handling the product, consult the safety data sheet. In case of questions or additional needs, please contact Oxiteno through our customer service channels

COMMERCIAL OFFICES