

DESCRIPTION

OXITIVE® 8123 is a dispersing agent for pigment dispersion and tinting system.

PHYSICAL PROPERTIES¹

Appearance (25°C)	Liquid
Solids Content, wt%	~98
pH (1% p/p, aqueous at 25°C)	1.5 – 3.0
Viscosity (cP)	2500 @25°C
Water (% in weight)	2.5 max.
CMC (g/L)	0.04
Surface Tension – 0,1% w/v at 25°C (mN/m)	43.7

APPLICATION RESULTS

Table 1. Pigment Concentrate Formulation and Thermal stability evaluation.

Formulation	
Component	% (weight)
Water	55.0
OXITIVE® 8123	4.5
Defoamer	0.3
Biocide	0.2
Carbon Black Pigment - Monarch 430	40.0
Viscosity and thermal stability	
Condition	Viscosity (cP)
Initial	188
After 7 days @5°C	192
After 7 days @25°C	209
After 7 days @52°C	370

CHARACTERISTICS AND BENEFITS

OXITIVE® 8123 is a dispersing agent used for formulating low-VOC water-borne pigment concentrates.

OXITIVE® 8123 is supplied at acid form, enabling the formulator to choose the most appropriate neutralizing agent according to the system of interest. OXITIVE® 8123 can also be used with a broad range of pigments – carbon black, organic, inorganic and titanium dioxide.

For optimizing pigment dispersion process, tinting strength and compatibility, the use of OXITIVE® 8123 can be associated with a wetting agent from OXITIVE® 7000 series.

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

12 Months from the manufacturing date.

STANDARD PACKAGING

Drums	Samples
Bulk	

REGULATORY

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

Brazil	Colombia	Argentina	Mexico	United States
+55 11 3177 6102	+57 11 555 0070	+54 11 4115 5600	+52 55 5322 0560	+1 346 718 6200
oxiteno@oxiteno.com	oxiteno.colombia@oxiteno.com	oxiteno.argentina@oxiteno.com	oxiteno.mexico@oxiteno.com	oxiteno.usa@oxiteno.com