

Bio-Loop dispersing agent for Yellow UV and LED cured Systems

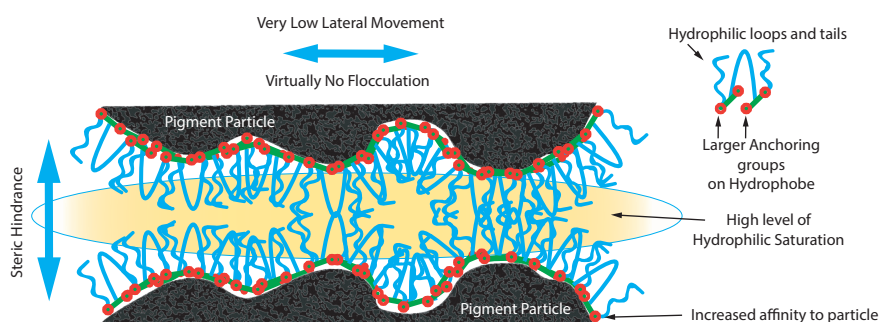
Description

Dispersing agents are used extensively in the coatings industry to help disperse solid particles into a liquid medium.

Dispersing agents perform by the anchoring of the surfactant onto the particle substrate and then acting as a barrier to stop re-agglomeration of the particles. This concept is often referred to as steric stabilisation. Our products have been developed using a soya backbone which contains large anchoring groups. What makes them unique is the introduction of a hydrophilic loop that not only has an affinity for polar solvents but also provides both steric hindrance and stability. Also to help boost the hydrophilic nature within the spacing between the particles Lansperse UV86 contains both loops and tails and extra large anchoring groups. This helps to give further improvements in stability and flocculation reduction. Also what sets this dispersing agent apart from others is that no synergist is required to disperse difficult yellows.

Key Features

- Based on the Bio-Loop technology
- Dispersing agent for yellow
- No synergist required
- Low flocculation
- VOC free
- Fast particle size reduction
- Good ecotoxicity



Specification

Appearance:	Light amber solid
Colour:	10 Gardner max
Solids Content %:	100

Applications

- Dispersing agents for:
- Organic Yellows

Typical Properties

Composition:	Bio-Loop dispersant with tails and anchor
Odour:	Characteristic
Viscosity at 50°C (cP):	350
Specific Gravity at 50°C:	1.04
Melting Point °C:	45
Flash Point Closed Cup °C:	>150

Formulation Guides

	%
Yellow 12 20%	Pigment 20
	Lansperse UV86 3
	DPGDA 77

	%
Yellow 13 20%	Pigment 20
	Lansperse UV86 3
	DPGDA 77

	%
Yellow 74 20%	Pigment 20
	Lansperse UV86 3
	DPGDA 77

	%
Yellow 174 20%	Pigment 20
	Lansperse UV86 3
	DPGDA 77

	%
Yellow 180 20%	Pigment 20
	Lansperse UV86 3
	DPGDA 77

	%
Yellow 185 20%	Pigment 20
	Lansperse UV86 3
	DPGDA 77

The above millbases are then let-down to produce an Ink formulation

	%
Millbase	40 - 60
UV Oligomer	15 - 25
UV Monomer	15 - 25
Photo-initiator	5 - 15

Packaging and Storage

Lansperse UV86 can be supplied in 200kg or 25kg steel drums.

Stainless steel, polyethylene or glass lined equipment is necessary for the storage of Lansperse UV86 in order to prevent corrosion and subsequent contamination. This material can separate on standing and at low temperatures. May require agitation and warming prior to use.

Regulatory Information

Please refer to Safety Data Sheet.

All information, recommendations and suggestions appearing in the literature concerning the use of the product are based upon tests and data believed to be reliable. However it is the users responsibility to determine the suitability for their own use of the products described here. For non English datasheets translation has been carried out using translation software, Lankem accepts no liability due to errors that occur during translation. Typical properties are based on our own measurements and do not constitute part of the sales specification.