

Conventional dispersing agents for aqueous systems

Description

A powerful primary dispersing agent that offers both good wetting and steric hindrance to prevent re-agglomeration of pigments and inorganic solids. Lansperse DS200W can be used across a wide range of different pigment types and is sometimes used in conjunction with the anionic, Lansperse DS80.

Key Features

- Powerful dispersing agent for aqueous systems
- Long track record of excellent performance
- APE free
- VOC free

Specifications

	Lansperse DS200W	Lansperse DS80
Appearance at 25°C:	Hazy pale straw liquid free from foreign matter	Hazy pale straw liquid free from foreign matter
Cloud point °C (1% aqueous):	53.0 - 57.0	Not applicable
pH (5% aqueous):	6.0 - 8.0	6.0 - 8.0
Free nonionic:	Not applicable	36.0 - 44.0

Typical Properties

	Lansperse DS200W	Lansperse DS80
Composition:	Nonionic Ethoxylate	Anionic Surfactant
Active content %:	78.0 - 82.0	78.0 - 82.0
Odour:	Mild	Typical
Viscosity at 25°C (cP):	1095	978
Specific gravity at 20°C:	1.085	1.13
Solubility in water:	Soluble	Soluble
Pour point °C:	<0	~15
Flash point closed cup °C:	>150	>150

Solubility

Soluble ● Insoluble ● Dispersible ●

Water	●	Isopropanol	●	MPG	●	Ethanol	●	White Spirit	●	Shellsol A150N	●
Xylene	●	UV Monomer	●	DEG	●	2 Ethylhexanol	●	Vegetable Oil	●		

Applications

Lansperse DS200W is an APE and VOC free dispersing agent for aqueous pigment dispersion, inks and paints. Lansperse DS200W disperses pigments through means of steric stabilisation to prevent re-agglomeration. Depending on the surface treatment of the pigment, it may be necessary to add an anionic dispersing agent such as Lansperse DS80 to stabilise the formulation.

Yellow 3 44%	Lansperse DS200W Lansperse DS80	6% 2%	Yellow 13 50%	Lansperse DS200W Lansperse DS80	6% 2%
Yellow 74 45%	Lansperse DS200W Lansperse DS80	6% 3%	Yellow 83 32%	Lansperse DS200W Lansperse DS80	8% 3%
Yellow 110 35%	Lansperse DS200W	8%	Yellow 110 40%	Lansperse DS200W	8.75%
Orange 13 42%	Lansperse DS200W Lansperse DS80	7% 1%	Orange 73 40%	Lansperse DS200W Lansperse DS80	8% 3%
Red 5 44%	Lansperse DS200W Lansperse DS80	8% 2%	Red 112 50%	Lansperse DS200W Lansperse DS80	8% 1%
Red 122 30%	Lansperse DS200W	10%	Red 146 42%	Lansperse DS200W Lansperse DS80	6% 2%
Red 254 43%	Lansperse DS200W Lansperse DS80	8% 1%	Violet 23 30%	Lansperse DS200W Lansperse DS80	13% 4%
Green 7 55%	Lansperse DS200W	9.5%	Blue 15 50%	Lansperse DS200W	11%
Blue 15.3 50%	Lansperse DS200W	8.75%	Black 7 41%	Lansperse DS200W	11%

Packaging and Storage

Lansperse DS200W and Lansperse DS80 can be supplied in bulk road tankers, IBC's, 200kg or 25kg nett drums.

Stainless steel, polyethylene or glass lined equipment is necessary for the storage of Lansperse DS200W and Lansperse DS80 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.

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.