

Solsperse™ W120

Solsperse™ W120 is a 40% active polymeric dispersant

Solsperse™ W120 is a 40% active polymeric dispersant which improves pigment / particle dispersion in aqueous coating systems, water-based printing inks and binder-free pigment concentrates. Solsperse™ W120 is suitable for use across a wide range of carbon black, organic, and inorganic pigments & fillers in water-based coatings and inks.

FEATURES AND BENEFITS

- Color Development
- Dispersant Efficiency
- Fast Wetting
- High Color Strength
- High Pigment Loading
- Improved Coloristic Properties
- Low Viscosity
- Milling Efficiency
- Particle Size Reduction
- Water Resistance

CHARACTERISTICS

Characteristic Name	Value
Appearance	Colorless to yellow liquid
Boiling Point (°C)	100 (based on solvent)
Density (g/ml)	1.06
Freeze/Thaw Stability	Protect from freezing. If product is frozen, allow to return to room temperature, warming if required, and stir well before use.
Freezing Point (°C)	0 (based on solvent)
Gardner Colour	9 Max
Incorporation Recommendations	Solsperse™ W120 should be thoroughly blended with the millbase resin / water before the addition of pigments.
pH Value (as supplied)	Approx. 5
Storage & Handling	Protect from freezing. Storage below 35°C/95°F recommended.
Usage Guidelines	Addition level should be based on the surface area of the pigment / filler. The dosage is typically 2 mg per square meter of pigment surface area. This is simply the BET surface area divided by 5. See Solsperse Dosage Guide for more details.

REGULATORY

- Low VOC⁴

⁴Suitable for coating formulations where less than 140 g/l VOC (US EPA Method 24) or 75 g/l VOC (ISO 11890-1, Method 2) is desired based on calculations.

APPLICATIONS

- Building & Construction Coatings
- Industrial OEM Coatings
- Protective Coatings
- Transportation Coatings
- Analog Printing Inks
- Digital Printing Inks
- Particle Dispersions

AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America

RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 730 days. See SDS for storage conditions and handling instructions.

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

America: AmerLZAMCustomerAssistance@Lubrizol.com | Europe: EMEAICustomerAssistance@Lubrizol.com |

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