

Solsperse™ AC5145

A 100% Active Polymeric Dispersant for Advanced Ceramics formulations

Solsperse™ AC5145 is a 100% active polymeric dispersant that offers significant technical advantages in a range of ceramic processing methods, including tape casting, slip casting, gel casting, and additive manufacturing. Typical applications include the dispersion of ceramic powder and filler slurries in water, polar organic solvents or UV monomers. The Solsperse™ AC5145 should be dissolved in the slurry solvent/monomer/oligomer before the addition of ceramic solids. Solsperse™ AC5145 can be added at the dispersion stage or as a post-addition to make up high-solids slurries. Additional levels should be based on the surface area of the ceramic / filler. The dosage level is typically 2mg active dispersant per meter squared of ceramic filler surface area. This is simply the surface area divided by 5.

FEATURES AND BENEFITS

- 100% Dispersant
- Dispersant Efficiency
- Fast Wetting
- High Pigment Loading
- High Solids Dispersant
- Ideal for Ceramic Formulations
- Low Viscosity
- Milling Efficiency
- Particle Size Reduction
- Stability

CHARACTERISTICS

Characteristic Name	Value
Appearance	Amber brown liquid
Boiling Point (°C)	decomposes without boiling < 150
Density (g/cc @ 25°C)	~ 1.19
Gardner Colour	9 max
Melting Point (°C)	8 - 10

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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