

**Solsperse™ AC4380**

A 100% active polymeric dispersant designed for Advanced Ceramics formulations

Solsperse™ AC4380 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 are electronic ceramics (ceramics in electronics), advanced engineered ceramics, advanced ceramics in additive manufacturing, and where superior dispersion of particles in organic solvents or UV monomer are required. The Solsperse™ AC4380 should be dissolved in the slurry solvent/monomer/oligomer before the addition of ceramic solids. Addition levels should be based on the surface area of the ceramic / filler.

**FEATURES AND BENEFITS**

- 100% Dispersant
- Dispersant Efficiency
- Fast Wetting
- High Pigment Loading
- High Solids Dispersant
- Ideal for Ceramic Formulations
- Low Viscosity
- Low VOC Capable
- Milling Efficiency
- Particle Size Reduction
- UV/Radiation-Cure Compatible

**CHARACTERISTICS**

Characteristic Name	Value
Appearance	Amber to brown viscous liquid
Density (g/ml)	Approx. 0.94
Gardner Colour	14 max (product)
Pour Point (°C)	4
Solvent Boiling Point (°C)	Decomposes without boiling >340

**REGULATORY**

- Low VOC<sup>4</sup>
- VOC-Free<sup>3</sup>

<sup>3</sup>None of the ingredients used to produce this product meet the VOC definition and physical-chemical criteria as defined in the 2004/42/EC EU Paints Directive, Swiss Lenkungsabgabe, US EPA Group List 761346 and the Clean Air Act.

<sup>4</sup>Suitable 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.

## AVAILABLE REGIONS

- Asia Pacific
- EMEAI
- 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](http://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:

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