

**Solsperse™ AC7140**

A 100% active polymeric dispersant designed for Advanced Ceramic formulations

Solsperse™ AC7140 is a 100% active solid polymeric dispersant which 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 3D printing, and where superior dispersion of ceramic particles in low polarity organic solvents, UV monomer, waxes, plastisols, and plasticizers are required. The Solsperse™ AC7140 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 pigment/filler. The dosage level is typically 2mg active dispersant per square meter of pigment surface area. This is simply the surface area divided by 5.

**FEATURES AND BENEFITS**

- 100% Dispersant
- Contains Bio-Based Content
- Dispersant Efficiency
- Fast Wetting
- High Pigment Loading
- High Solids Dispersant
- Ideal for Ceramic Formulations
- Low Viscosity
- Milling Efficiency
- Stability

**CHARACTERISTICS**

Characteristic Name	Value
Appearance	Yellow to brown viscous liquid
Density (g/cc @ 25°C)	0.92
Flash Point (°C)	>170
Gardner Colour	14 max
Viscosity (cst @ 40°C)	50,000

**AVAILABLE REGIONS**

- Asia Pacific
- EMEA
- Latin America
- North America

## 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:

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

Asia: APCustomerAssistance@Lubrizol.com | Brazil: BrazilQualityLZAM@Lubrizol.com

## DISCLAIMER

Lubrizol Advanced Materials, Inc. ("Lubrizol") hopes that you have found the information provided helpful, but you are cautioned that this material, including any prototype formulas, is for informational purposes only and you are solely responsible for making your own assessment of appropriate use of the information. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAWS, LUBRIZOL MAKES NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES (WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE), INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR REGARDING THE COMPLETENESS, ACCURACY, OR TIMELINESS OF ANY INFORMATION. Lubrizol does not guarantee how the materials referenced herein will perform in combination with other substances, in any methods, conditions, or processes, with any equipment, or in non-laboratory environments. BEFORE COMMERCIALIZATION OF ANY PRODUCT CONTAINING THESE MATERIALS, YOU SHOULD THOROUGHLY TEST SUCH PRODUCT, INCLUDING HOW THE PRODUCT IS PACKAGED, TO DETERMINE ITS PERFORMANCE, EFFICACY, AND SAFETY. You are solely responsible for the performance, efficacy, and safety of any products you manufacture. Lubrizol shall not be liable, and you shall assume all risk and responsibility for, any use or handling of any material. Any claims may not be approved in all jurisdictions. Any entity making claims related to these products is responsible for complying with local laws and regulations. Nothing contained herein is to be considered as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner, and it is your sole responsibility to determine if any issues related to patent infringement of any component or combination of components relating to the information provided exists. You acknowledge and agree that you are using the information provided herein at your own risk. If you are dissatisfied with the information provided by Lubrizol, your exclusive remedy shall be to not use the information.

## COPYRIGHTS

Trademarks owned by The Lubrizol Corporation or its affiliates. © The Lubrizol Corporation 2022, All Rights Reserved.