

## TECHNICAL DATA SHEET

# SARBIO® 7107

## Epoxidized Soy Bean Oil Acrylate

### DESCRIPTION

SARBIO® 7107 is a difunctional, acrylated vegetable oil oligomer that offers pigment wetting characteristics and produces flexible, well-adhering cured films.



Biobased feedstock



### SHELF LIFE

Store in the original, closed container in a dry, cool (<45°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is 6 months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided. Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

### STORAGE

See SDS for Storage Considerations

### HEALTH AND SAFETY

See SDS for Health & Safety Considerations

### LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	2
Refractive Index at 25°C	1.479
Viscosity at 25°C (mPa.s or cPs)	26000
Density at 25°C (g/mL)	1.0481
Bio content (%)	85
Color (Gd)	4

### CURED PROPERTIES

Elongation at break (%)	13
Tg (°C), by DSC	30
Tensile Strength (MPa)	6
Young Modulus (MPa)	48

### PRODUCT PERFORMANCE

Shrinkage
Corrosion Resistance
Moisture Resistance
Flexibility
Wood Adhesion
ABS/PC Adhesion
PVC/PS Adhesion
PE/PET/PP/PMMA Adhesion
Metal Adhesion
Chemical Resistance
Pigment Wetting

### SUGGESTED APPLICATIONS

Adhesives & sealants
Conformal coatings
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Screen inks
Wood coatings

**Arkema Inc**  
502 Thomas Jones Way  
Exton, PA 19341 – AMERICA  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)

**Arkema France**  
420, rue d'Estienne d'Orves  
92705 Colombes Cedex  
France  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)