

## TECHNICAL DATA SHEET

# SARBIO® 7106

## Acrylated Linseed Oil Oligomer

### DESCRIPTION

SARBIO® 7106 is an acrylated vegetable oil oligomer developed for energy-curable ink and pigmented coating systems. It imparts hydrophobicity, good flow, and pigment dispersability to litho or offset inks.



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
Total Bio content (%)	88
Density at 25°C (g/mL)	1.0862
Refractive Index at 25°C	1.4844
Functionality	2
Color (Gd)	6

### CURED PROPERTIES

Tg (°C), by DSC	-10
Young Modulus (MPa)	130
Elongation at break (%)	13
Tensile Strength (MPa)	8

### PRODUCT PERFORMANCE

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

### SPECIAL FEATURE

Hydrophobic

### SUGGESTED APPLICATIONS

3D printing  
Adhesives & sealants  
Conformal coatings  
Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Offset inks/Overprint varnishes  
Plastic coatings  
Screen inks  
Wood coatings

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