

## TECHNICAL DATA SHEET

# CN929

## Aliphatic Trifunctional Urethane Acrylate

### DESCRIPTION

CN929 is a trifunctional aliphatic polyester oligomer developed for use in UV and EB cured inks and coatings. Weatherability, flexibility, low viscosity, and fast cure are among the key attributes of CN929.



### 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	3
Color (Pt/Co or APHA)	<250
Density at 25°C (g/mL)	1.1233
Refractive Index at 25°C	1.491

### CURED PROPERTIES

Tg (°C), by DSC	17
Elongation at break (%)	60
Tensile Strength (MPa)	12
Young Modulus (MPa)	49

### PRODUCT PERFORMANCE

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

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Flexographic inks  
Inkjet inks  
Offset inks  
Overprint varnishes

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