

## TECHNICAL DATA SHEET

# CN2273

## Polyester Acrylate Oligomer

### DESCRIPTION

CN2273 is designed for very fast cure response in inks and coatings. This polyester acrylate has low viscosity and flexibility with good pigment wetting characteristics. The unique structure provides natural thixotropic properties for screen and lithographic inks. Its flexibility, low viscosity, and fast surface cure speed make CN2273 suitable for overprint varnishes and coatings requiring low odor. Note: CN2273 may crystallize if stored below 5° C. Product performance is not compromised. Please consult MSDS for heating instructions.



### 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
Density at 25°C (g/mL)	0.9749
Refractive Index at 25°C	1.458
Surface Tension at 20°C (mN/m)	36.4
Functionality	2
Color (Pt/Co or APHA)	<300

### CURED PROPERTIES

Tg (°C), by DSC	-45
Young Modulus (MPa)	14
Elongation at break (%)	32
Tensile Strength (MPa)	3

### PRODUCT PERFORMANCE

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

### SUGGESTED APPLICATIONS

Flexographic inks  
Inkjet inks  
Screen inks

**Headquarter: Arkema France**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – France  
T +33 (0)1 49 00 80 80  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)