

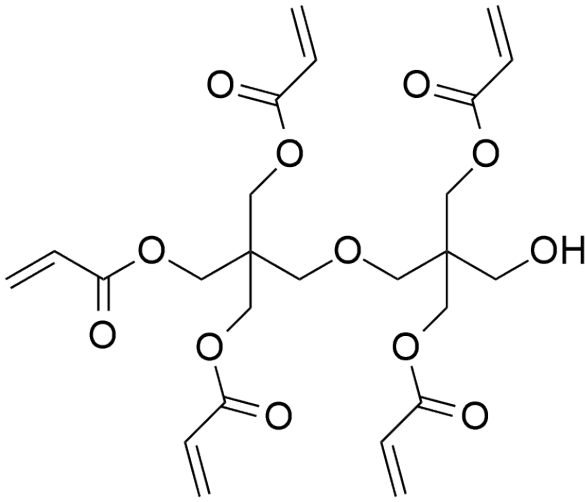
## TECHNICAL DATA SHEET

# SR399

## Dipentaerythritol Pentaacrylate

### DESCRIPTION

SR399 provides abrasion resistance, flexibility with hardness, and fast cure response for ultraviolet and electron beam curing. It is a low skin irritation monomer.



### 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	5
Color (Pt/Co or APHA)	<150
Viscosity at 25°C (mPa.s or cPs)	13600
Density at 25°C (g/mL)	1.1955
Molecular Weight (g/mol)	525
Refractive Index at 25°C	1.4885
Surface Tension at 20°C (mN/m)	40

### CURED PROPERTIES

Tg (°C), by DSC	90
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### PRODUCT PERFORMANCE

Stain Resistance  
Scratch Resistance  
Abrasion Resistance  
Chemical Resistance  
Hardness  
Weatherability  
Moisture Resistance  
Corrosion Resistance

### SPECIAL FEATURE

High functionality

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Offset inks  
Optical fibers  
Overprint varnishes  
Polymer synthesis  
Rubber manufacturing  
Screen inks  
Wood coatings

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