

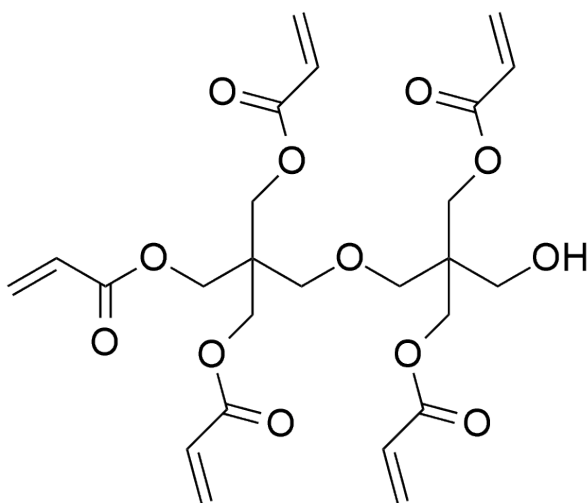
TECHNICAL DATA SHEET

SR399

Dipentaerythritol Hexaacrylate

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
Density at 25°C (g/mL)	1.1955
Refractive Index at 25°C	1.4885
Viscosity at 25°C (mPa.s or cPs)	13600
Molecular Weight (g/mol)	525
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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