

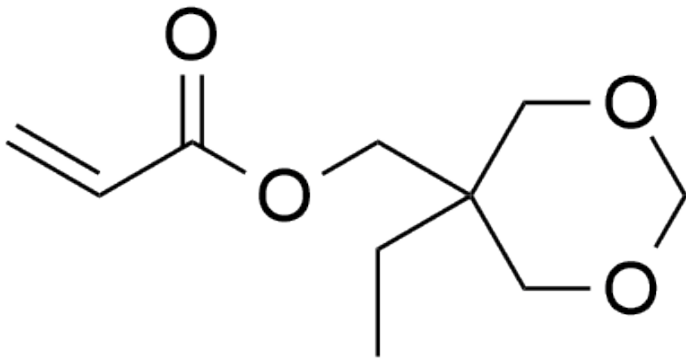
TECHNICAL DATA SHEET

SR531

Cyclic trimethylol- propane formal acrylate

DESCRIPTION

SR531 is a low viscosity monofunctional acrylate monomer that is used in a variety of UV/EB-cured applications, including inks, wood coatings, stereo-lithography, and photopolymer printing plates. SR531 is tough, flexible, non-yellowing, and imparts adhesion to a variety of substrates.



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	1
Color (Pt/Co or APHA)	<250
Viscosity at 25°C (mPa.s or cPs)	15
Density at 25°C (g/mL)	1.0932
Molecular Weight (g/mol)	200
Refractive Index at 25°C	1.462
Surface Tension at 20°C (mN/m)	33

CURED PROPERTIES

Tg (°C), by DSC	30
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PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Tough

SUGGESTED APPLICATIONS

3D printing
 Adhesives & sealants
 Conformal coatings
 Electronics
 Inkjet inks
 Metal coatings
 Optical fibers
 Polymer synthesis
 Wood coatings

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