

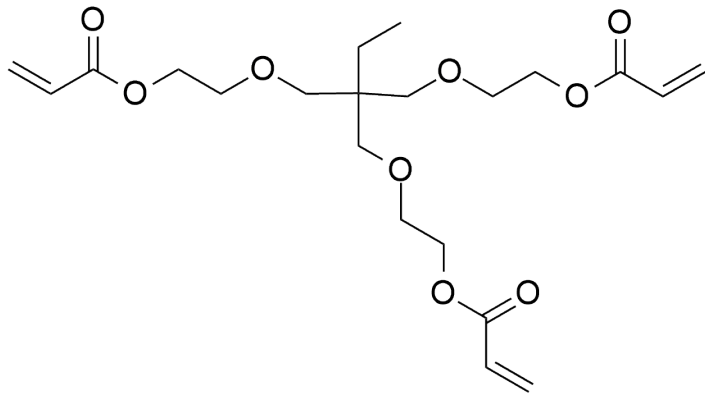
TECHNICAL DATA SHEET

SR454

Ethoxylated (3) Trimethylolpropane Triacrylate

DESCRIPTION

SR454 is a low skin irritation, fast curing monomer for use in free radical polymerization.



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 12 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)	<75
Density at 25°C (g/mL)	1.1062
Refractive Index at 25°C	1.4689
Viscosity at 25°C (mPa.s or cPs)	110
Molecular Weight (g/mol)	429
Surface Tension at 20°C (mN/m)	40

CURED PROPERTIES

Tg (°C), by DSC	103
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PRODUCT PERFORMANCE

Hardness
 Pigment Wetting
 Flexibility
 Wood Adhesion
 Metal Adhesion
 PVC/PS Adhesion
 Stain Resistance
 Scratch Resistance
 Abrasion Resistance
 Chemical Resistance
 PE/PET/PP/PMMA Adhesion

SUGGESTED APPLICATIONS

Adhesives & sealants
 Composites
 Conformal coatings
 Electronics
 Flexographic inks
 Inkjet inks
 Metal coatings
 Offset inks
 Overprint varnishes
 Polymer synthesis
 Screen inks
 Wood coatings

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