

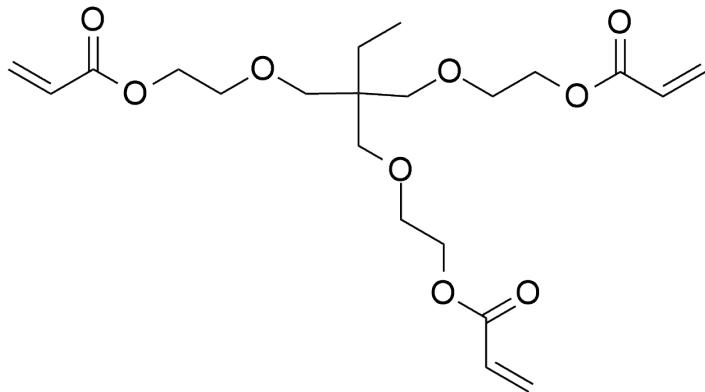
## TECHNICAL DATA SHEET

# 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 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	3
Color (Pt/Co or APHA)	<75
Viscosity at 25°C (mPa.s or cPs)	110
Density at 25°C (g/mL)	1.1062
Molecular Weight (g/mol)	429
Refractive Index at 25°C	1.4689
Surface Tension at 20°C (mN/m)	40

### CURED PROPERTIES

Tg (°C), by DSC	103
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### PRODUCT PERFORMANCE

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

### 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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