

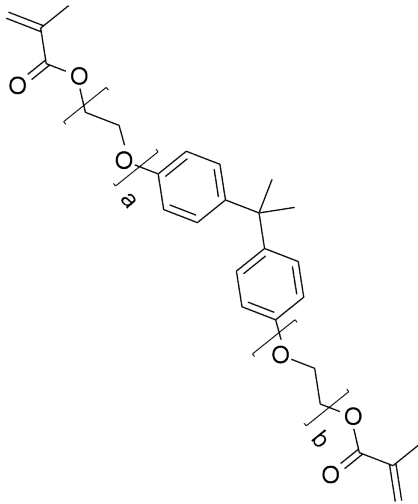
## TECHNICAL DATA SHEET

# SR542

## Ethoxylated (8) Bisphenol A Dimethacrylate

### DESCRIPTION

SR542 is a low volatility monomer used in free radical polymerization. It provides a good hydrophobic and hydrophilic balance.



### 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	2
Color (Pt/Co or APHA)	<250
Viscosity at 25°C (mPa.s or cPs)	420
Molecular Weight (g/mol)	188
Density at 25°C (g/mL)	1.1223
Refractive Index at 25°C	1.5147
Surface Tension at 20°C (mN/m)	42

### CURED PROPERTIES

Tg (°C), by DSC	35
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### PRODUCT PERFORMANCE

Hardness  
Chemical Resistance  
Metal Adhesion  
Wood Adhesion  
Shrinkage  
Flexibility  
Scratch Resistance  
Corrosion Resistance  
Abrasion Resistance

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Artificial marble  
Composites  
Electrical potting & encapsulation  
Electronics  
Industrial flooring & waterproofing  
Polymer synthesis  
Wood coatings

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