

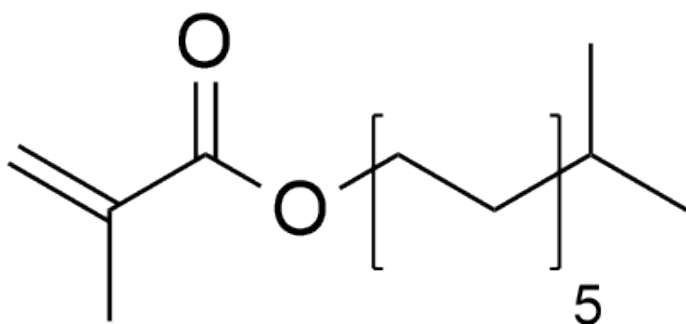
## TECHNICAL DATA SHEET

# SR493 D

## Iso-tridecyl Methacrylate

### DESCRIPTION

SR493D is a low volatility, low odor, and low skin and eye irritation monomer for use in UV/EB 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

Functionality	1
Appearance	Clear liquid
Viscosity at 25°C (mPa.s or cPs)	6
Density at 25°C (g/mL)	0.8826
Molecular Weight (g/mol)	268
Refractive Index at 25°C	1.4472
Surface Tension at 20°C (mN/m)	29
Color (Pt/Co or APHA)	<100

### CURED PROPERTIES

Tg (°C), by DSC	-40
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### PRODUCT PERFORMANCE

Shrinkage  
Flexibility  
Chemical Resistance  
ABS/PC Adhesion  
Wood Adhesion  
PVC/PS Adhesion  
Weatherability  
PE/PET/PP/PMMA Adhesion

### SPECIAL FEATURE

Low odor

### SUGGESTED APPLICATIONS

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

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