

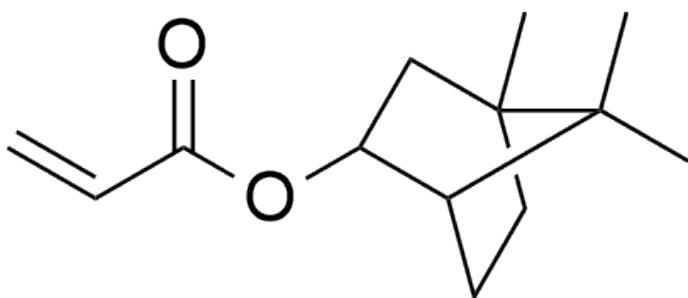
## TECHNICAL DATA SHEET

# SR506C

## Isobornyl Acrylate

### DESCRIPTION

SR506C is an excellent reactive diluent for oligomers. The cyclic group produces polymers through free radical curing that have a high glass transition temperature.



### 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)	<50
Viscosity at 25°C (mPa.s or cPs)	8
Density at 25°C (g/mL)	0.9899
Molecular Weight (g/mol)	208
Refractive Index at 25°C	1.4738
Surface Tension at 20°C (mN/m)	32

### CURED PROPERTIES

Tg (°C), by DSC	95
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### PRODUCT PERFORMANCE

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

### SPECIAL FEATURE

Adhesion promoter

### SUGGESTED APPLICATIONS

3D printing  
 Adhesives & sealants  
 Conformal coatings  
 Electrical potting & encapsulation  
 Electronics  
 Flexographic inks  
 Inkjet inks  
 Metal coatings  
 Optical fibers  
 Overprint varnishes  
 Polymer synthesis  
 Rubber manufacturing  
 Screen inks  
 Wood coatings

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