

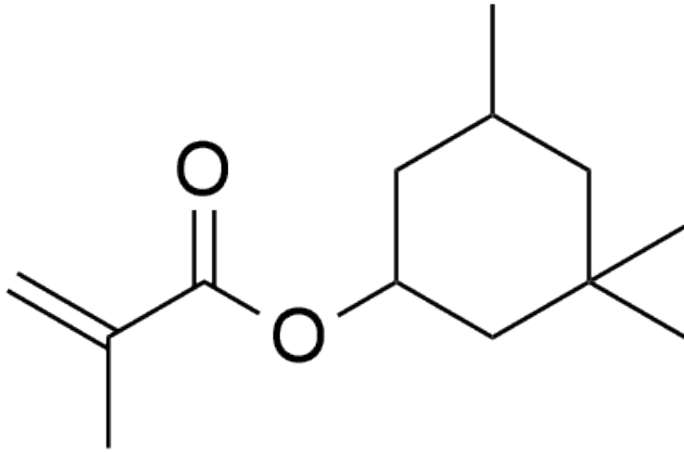
TECHNICAL DATA SHEET

SR421 A

3,3,5 Trimethylcyclohexyl Methacrylate

DESCRIPTION

SR421A is a low viscosity, monofunctional methacrylate monomer containing a light stable cyclic group. It has excellent solvency characteristics and good adhesion to a variety of substrates. It demonstrates improved thermal stability.



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)	<150
Viscosity at 25°C (mPa.s or cPs)	5
Density at 25°C (g/mL)	0.9227
Molecular Weight (g/mol)	210
Refractive Index at 25°C	1.451
Surface Tension at 20°C (mN/m)	27.1

CURED PROPERTIES

Tg (°C), by DSC	42
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PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

3D printing
Adhesives & sealants
Artificial marble
Composites
Conformal Coatings
Electrical potting & encapsulation
Industrial flooring & waterproofing
Polymer synthesis
Rubber manufacturing

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