SARTOMER®

TECHNICAL DATA SHEET

SR833 S

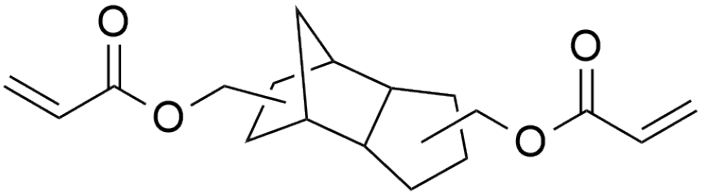
Tricyclodecanedimethanol Diacrylate

DESCRIPTION

SR833S is a low viscosity difunctional acrylate monomer that is polymerized by free radicals. It can be used in a variety of UV/EB-cured applications where flexibility and adhesion are required. SR833S also demonstrates good firm toughness and weathering characteristics.

Improved cure response under LED

Superior weathering performance



LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	2
Color (Pt/Co or APHA)	<200
Density at 25°C (g/mL)	1.1032
Refractive Index at 25°C	1.5
Viscosity at 25°C (mPa.s or cPs)	130
Molecular Weight (g/mol)	304
Surface Tension at 20°C (mN/m)	37.9

CURED PROPERTIES

Tg (°C), by DSC	186

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Tough

SUGGESTED APPLICATIONS

3D printing
Adhesives & sealants
Conformal coatings
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Polymer synthesis
Screen inks
Wood coatings

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

Arkema Inc
502 Thomas Jones Way
Exton, PA 19341 – AMERICA
www.Sartomer.arkema.com

Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex
France
www.Sartomer.arkema.com

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