



DESCRIPTION

Name: 2-Propenoic acid, 2-methyl-,1,1'[(3-heptyl-4-pentyl-1,2-cyclohexanediyl)bis(9,1-nonanediyliminocarbonyloxy-2,1-ethanediyl)]ester

Synonym: Dimer Diisocyanate Urethane Dimethacrylate, UDMA-DDI

HIGHLIGHTS

U-847 is a methacrylate modified urethane monomer that has low color and low cure shrinkage. U-847 is often used in light cure dental applications. Unlike BisGMA or EBDMA, it is not based upon a Bisphenol A backbone and therefore does not exhibit estrogenic behavior and does not have the potential to act as an endocrine disruptor.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	RESULT
Appearance at Room Temperature	Light yellow liquid
Molecular Formula	C ₅₀ H ₉₀ N ₂ O ₈
Molecular Weight	847.3 daltons
Viscosity @ 25°C	TBD
Refractive Index @ 20°C	TBD
CAS Registration Number	86499-57-3
Recommended Storage Temp	5°C or below

Data is for reference only and may vary depending on testing method used. The structure shown above is an idealized representation of a statistical distribution.

RECOMMENDED FORMULATION USE:

U-847 is recommended for use as a base resin in dental applications.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support

☎ 858-348-1122

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REF: DMI Part Number: R1238