

TECHNICAL DATA SHEET

SARBIO 5201

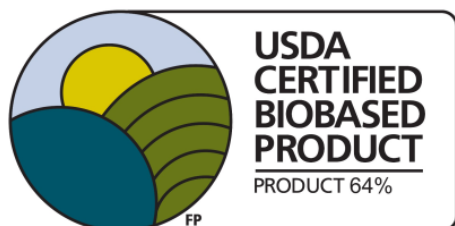
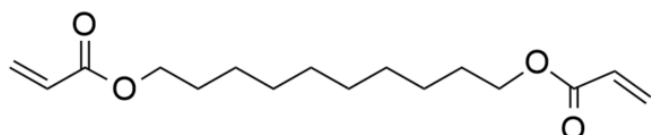
1,10-Decanediol Diacrylate

DESCRIPTION

SARBIO® 5201 is an acrylate monomer that exhibits low odor and high reactivity. It is useful in applications, such as coatings and digital and screen inks, and where weathering resistance is needed.



USDA Certified Biobased 64%



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
Total Bio content (%)	64
Viscosity at 25°C (mPa.s or cPs)	10
Density at 25°C (g/mL)	0.9708
Molecular Weight (g/mol)	282
Refractive Index at 25°C	1.4573
Surface Tension at 20°C (mN/m)	33
Functionality	2
Color (Pt/Co or APHA)	<200

CURED PROPERTIES

Tg (°C), by DSC	91
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PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Hydrophobic

SUGGESTED APPLICATIONS

3D printing
Composites
Conformal coatings
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Polymer synthesis
Screen inks
Wood coatings

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