

Ref. No.: SRG/Spec/BPS/2025

Rev. No.: 01

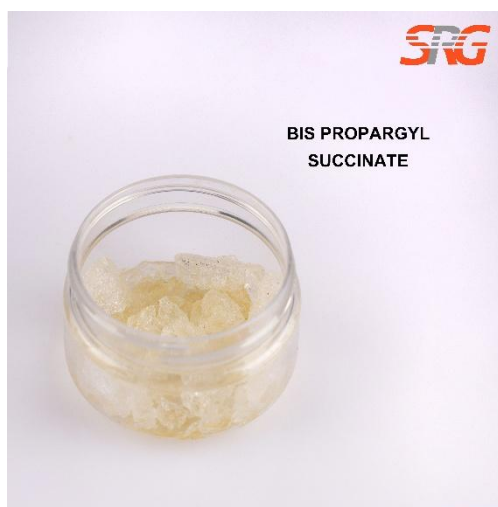
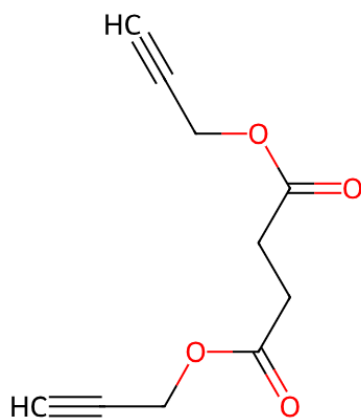
TECHNICAL SPECIFICATION

BIS-PROPARGYL-SUCCINATE (BPS)

BPS acts as a curing agent analog to isocyanate in classical polyurethane systems. It can be varied in its content to influence on the mechanical properties of the cross-linked binders as measured by tensile tests. The mechanical properties can be adjusted in a wide range by varying the amount of BPS.

Synonyms:	Di-2-propyn-1-yl succinate
CAS No.:	4580-40-9
Molecular Formula:	C ₁₀ H ₁₀ O ₄
Avg Mass:	194.184 g/mol
IUPAC Name:	1,4-bis(prop-2-yn-1-yl) butanedioate

Sr No	Properties	Specification Limits
1.	Appearance	Dark Brown to Blackish Solid which easily melts to liquid above 34°C (@ room temperature)
2.	Specific gravity @ 25°C	1.10 – 1.30
3.	Melting Point, °C	34.0 – 35.0
4.	FT-IR	3258 (m), 2947(w), 2133 (w), 1723 (s), 1448 (m), 1418 (m), 1372 (m), 1311(s), 1152 (vs), 1018 (s), 961 (s), 911 (m), 798 (m), 737 (s), 680(vs);



For Speciality Products Research Group



Proprietor

