



An ISO 9001:2015
Certified Company

Speciality Products Research Group

1st Floor, Plot No: 29/3, F-II Block, MIDC, Pimpri, Pune - 411018, INDIA.
Tel/Fax : 020-25656669 e-mail: info@sprgchem.com website: www.sprgchem.com

Ref. No.: SRG/TDS/TGAP/2022

Rev. No.: 00

TECHNICAL DATA SHEET

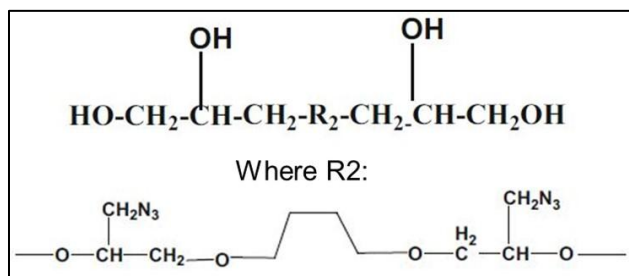
TETRA FUNCTIONAL GLYCIDYL AZIDE POLYMER

Tetra Functional Glycidyl Azide Polymer (t-GAP) finds use in cast-cured 'polymer-bonded explosive' as well as cast-cured composite propellants and in gas generating compositions. Energetic binder such as t-GAP confers higher energy output when compared with non-energetic conventional binder like HTPB

Synonyms:	Tetrafunctional Glycidyl Azide Polymer
CAS No.:	143178-24-9
Molecular Formula:	$(C_3H_5O_2)_2(C_3H_5O_2N_3)_n$
Avg Mass:	>1900.00 g/mol

SPECIFICATIONS FOR Tetra Functional Glycidyl Azide Polymer (T-GAP)

Sr. No.	Characteristics	Specified Value
1.	Appearance	Brown/Amber Color liquid
2.	OH Value, mg KOH/gm	80 ± 5
3.	Specific Gravity at 30°C	1.3 ± 0.3
4.	Viscosity at 30°C, cP	1500 - 2000
5.	Molecular Weight (VPO), Daltons	1800 - 2000
6.	Nitrogen Content, %	40 ± 2
7.	Moisture Content, %, Max.	0.5
8.	Volatile Matter, %, Max.	0.5



T - GLYCIDYL AZIDE
POLYMER (T-GAP)
CAS NO : 143178-24-9

For Speciality Products Research Group

Proprietor

