



An ISO 9001:2015
Certified Company

Speciality Products Research Group

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TECHNICAL DATASHEET

POLYEPICHLOROHYDRIN (PECH)

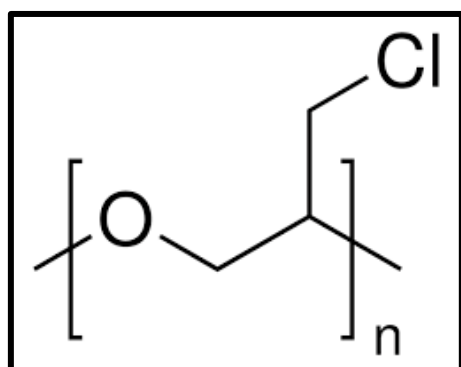
Poly-Epichlorohydrin is used in the synthesis of Diol hydroxyl-terminated glycidyl azide polymer (GAP-diol). This polymer finds use in cast-cured 'polymer-bonded explosive' as well as cast-cured composite propellants and in gas generating compositions.

CAS No:	24969-06-0
Synonyms:	Epichlorohydrin Polymer
Molecular Formula:	$(C_3H_5ClO)_n$
IUPAC Name:	2-(Chloromethyl)oxirane Polymer

SPECIFICATIONS FOR

Poly-Epichlorohydrin (PECH)

Sr No	Characteristics	Specified Limits
1	Appearance	Clear Liquid
2	Physical State	Viscous Liquid
3	Odour	Mild Odour
4	Volatile Matter, %	< 0.5
5	Moisture content, %	< 0.5
6	Hydroxyl value, mg of KOH	40 ± 5
7	Viscosity @ 30°C, cP	6400 - 6800
8	Average Molecular Weight	1000 - 1700



For Speciality Products Research Group

Proprietor

