

Polyethylenimine, branched (MW 50,000-100,000)

CAS Number: 9002-98-6



Highly branched polyamine with high charge density. Liquid polymers. Soluble in water at all molecular weights, also soluble in lower alcohols, glycols, and THF. Polymers contain primary, secondary, and tertiary amine groups in approximately 25/50/25 ratio.

See poly(2-ethyl-2-oxazoline) for precursors to linear polyethylenimine.

30% soln. in water

Formula: $(-\text{NHCH}_2\text{CH}_2-)_x[-\text{N}(\text{CH}_2\text{CH}_2\text{NH}_2)\text{CH}_2\text{CH}_2-]_y$

Molecular Weight: 50,000-100,000

Density: 1.029-1.038

Viscosity: 900-1500 cps

TSCA

Hazards: ✕ Irritant

Handling: Gloves & fume hood

Storage: Store at room temperature

Code: H5g - ([hazard/handling/storage codes](#))

Catalog No.	Packaging Size
06090-100	Size: 100 g
06090-500	Size: 500 g