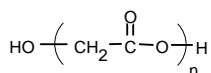


Polymer Products from Aldrich

Biodegradable Polymers

A variety of natural and synthetic polymers are readily biodegradable. Representative examples are listed below.

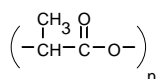
Shalaby, S.W. *Biomedical Polymers*; Hanser: New York, 1994.



45,762-0

Polyglycolide

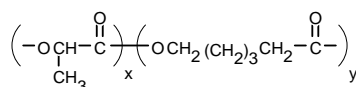
1g; 5g



43,233-4

Poly(lactide), \bar{M}_n ca. 110,000

50g; 250g



45,764-7

Poly(DL-lactide-co-caprolactone)

(86:14)

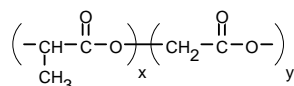
1g; 5g

45,763-9

Poly(DL-lactide-co-caprolactone)

(40:60)

1g; 5g



43,044-7

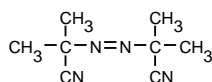
Poly(DL-lactide-co-glycolide) (50:50)

1g; 5g

43,047-1

Poly(DL-lactide-co-glycolide) (85:15)

1g; 5g



We now offer **AIBN**, the most popular azoinitiator (currently available in the US only).

44,109-0

2,2'-Azobisisobutyronitrile, 98%

100g

New Polymers

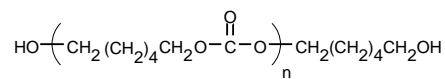
A unique carbonate diol used to prepare polyesters and polyurethanes.

Zhou, P.; Blumstein, A. *Polym. Prepr.* **1996**, 37, 413.

46,116-4

Poly(hexamethylene carbonate) diol, average E.W. 1,000

100g; 250g



Used for crosslinking carboxylated polymers in aqueous media.

45,875-9

Polycarbodiimide, 50 wt. % solution in propylene glycol methyl ether acetate

100mL; 500mL

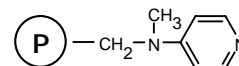
Convenient acylation catalyst.

Scriven, E.F.V. *Chem. Soc. Rev.* **1983**, 129. Bailey, T.D. et al. *Spec. Chem.* **1989**, 9, 310. Derantani, A. et al. *React. Polym.* **1988**, 9, 19.

43,640-2

Polystyrene, cross-linked, with attached 4-(N-methylamino)pyridine, wetted with toluene

5g; 25g

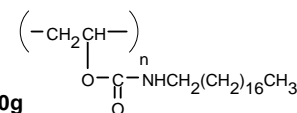


Forms reversible gels at 10 wt. % in toluene.

45,806-6

Poly(vinyl N-octadecylcarbamate)

50g; 250g

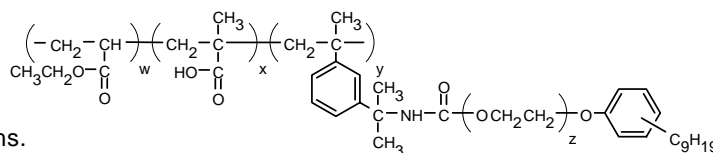


Alkali-swallowable associative thickener for aqueous systems.

Shey, G. et al. *JOCCA-Surface Coatings International* **1993**, 76, 446.

45,815-5

Poly[ethyl acrylate-co-methacrylic acid-co-3-(1-isocyanato-1-methylethyl)- α -methylstyrene], adduct with ethoxylated nonylphenol, 25 wt. % solution in water **1L**



A hydrophobic alcohol for increasing flexibility and toughness in coatings.

Erickson, J.R. et al. *Adhes. Age* **1995**, 38 (November), 18.

45,782-5

Poly(ethylene-ran-butylene)mono-ol

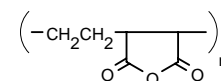
100mL; 500mL

Modifies the viscosity of aqueous solutions, suspensions, and emulsions. Forms a gel in water.

18,805-0

Poly(ethylene-alt-maleic anhydride)

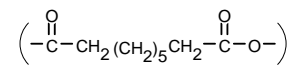
100g; 500g



45,831-7

Poly(azelaic anhydride)

100g; 500g

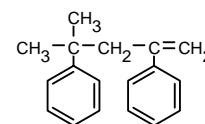


New Chain Transfer Agent

Free radical chain transfer agent (CTA) that functions as a substitute for mercaptans and chlorinated CTAs.

46,104-0

2,4-Diphenyl-4-methyl-1-pentene, 97%



100mL



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