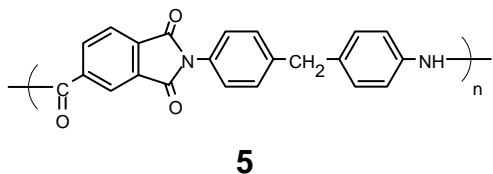


# Applications

## Engineering Polymers (continued)



Polyimides have outstanding thermal properties.

<a href="#">30,979-6</a>	<b>Polybenzimidazole</b>	<b>5g ; 25g</b>
<a href="#">42,827-2</a>	<b>Poly(trimellitic anhydride chloride-<i>co</i>-4,4' methylenedianiline) (5)</b>	<b>25g; 100g</b>
<a href="#">45,975-5</a>	<b>Poly(trimellitic anhydride chloride-<i>alt</i>-benzidine), 20 wt. % solution in NMP/xylenes</b>	<b>10mL ; 25mL</b>

Larger quantities of TSCA-listed polymers are available from [Sigma-Aldrich Fine Chemicals](#), the large-scale chemicals division of Sigma-Aldrich, Inc. Please call **800-336-9719 (USA)** or visit our Web site: [www.sigma-aldrich.com](http://www.sigma-aldrich.com) to inquire about prices and quantities.

**References:** (1) Alger, M.S.M. *Polymer Science Dictionary*, Elsevier Science: New York, 1989 (Aldrich Cat. No. [Z24,689-1](#)). (2) Seymour, R.B.; Carraher, C.E., Jr. *Polymer Chemistry: An Introduction*, 3rd ed.; Marcel Dekker: New York, 1992; p 243 (Aldrich Cat. No. [Z40,603-1](#)). (3) Odian, G. *Principles of Polymerization*, 3rd ed.; John Wiley & Sons: New York, 1991; p 100 (Aldrich Cat. No. [Z22,195-3](#)). (4) Stevens, M.P. *Polymer Chemistry: An Introduction*, 2nd ed.; Oxford University Press: New York, 1990; p 32 (Aldrich Cat. No. [Z24,576-3](#)). (5) Saunders, K.J. *Organic Polymer Chemistry*, 2nd ed.; Chapman and Hall: New York, 1988; pp 281-285.

Rynite and Zytel are registered trademarks of E.I. Du Pont Nemours & Co., Inc.

## Surfactants

From *Adogen*® to *Zonyl*® and everything in between, Aldrich offers over 150 different surfactants to meet your specific needs. Our wide selection includes ionic, nonionic, and zwitterionic surfactants with hydrophile-lipophile balance (HLB) values of 1.0 to >20. We now also offer the new Triton® SP-series surfactants – the splittable surfactants that cleave at low pH and cease to act as surfactants.

A brief selection is provided below. For more information and a complete listing of Aldrich surfactants, search our Web site at [www.sigma-aldrich.com](http://www.sigma-aldrich.com) or contact our Technical Services department at **800-231-8327 (USA)** or your local office, or email us: [aldrich@sial.com](mailto:aldrich@sial.com).

<a href="#">49,475-5</a>	<b>Triton® SP-135; HLB = 8</b>	<b>100mL</b>
<a href="#">49,476-3</a>	<b>Triton® SP-190; HLB = 13</b>	<b>100mL</b>
<a href="#">23,472-9</a>	<b>Triton® X-100; HLB = 13.5</b>	<b>5mL; 100mL; 500mL</b>
<a href="#">28,210-3</a>	<b>Triton® X-100, reduced</b>	<b>5g; 25g</b>
<a href="#">23,473-7</a>	<b>Triton® X-405, 70% solution in water; HLB = 17.9</b>	<b>5mL; 100mL; 500mL</b>

<a href="#">85,657-6</a>	<b>Adogen® 464</b>	<b>5mL; 100mL; 500mL</b>
<a href="#">42,053-0</a>	<b>Alkanol® XC surfactant</b>	<b>100g; 500g</b>
<a href="#">46,638-7</a>	<b>Brij® 700; HLB = 18.8</b>	<b>250g; 1kg</b>
<a href="#">27,434-8</a>	<b>Tween® 20; HLB = 16.7</b>	<b>25mL; 500mL; 4L; 18L</b>
<a href="#">27,436-4</a>	<b>Tween® 80; HLB = 15.4</b>	<b>25mL; 500mL; 4L; 18L</b>
<a href="#">42,141-3</a>	<b>Zonyl® FSN fluorosurfactant</b>	<b>50mL; 250mL</b>

<a href="#">46,330-2</a>	<b>Glycolic acid ethoxylate 4-nonylphenyl ether, average <math>M_n</math> ca. 600</b>	<b>100mL</b>
<a href="#">46,329-9</a>	<b>Glycolic acid ethoxylate 4-<i>tert</i>-butylphenyl ether, average <math>M_n</math> ca. 380</b>	<b>100mL</b>
<a href="#">46,322-1</a>	<b>Glycolic acid ethoxylate lauryl ether, average <math>M_n</math> ca. 360</b>	<b>100mL</b>
<a href="#">46,324-8</a>	<b>Glycolic acid ethoxylate lauryl ether, average <math>M_n</math> ca. 460</b>	<b>100mL</b>

Triton is a registered trademark of Union Carbide Corp. Brij and Tween are registered trademarks of ICI Americas, Inc. Zonyl and Alkanol are registered trademarks of E.I. du Pont de Nemours & Co., Inc. Adogen is a registered trademark of Ashland Chemical Co.

