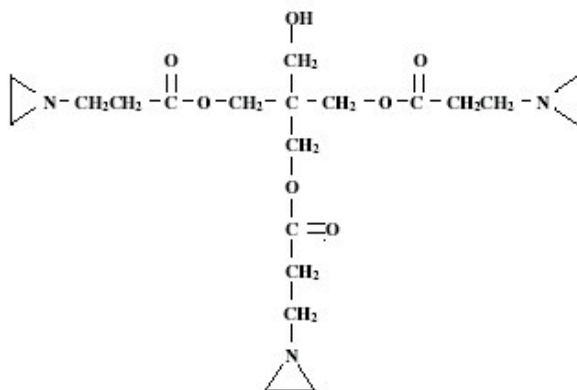


PolyAziridine, LLC.  
P.O. Box 637  
Medford, NJ 08055  
TEL: 610-913-7121  
FAX: 610-913-7125

**PZ-33**  
XAMA<sup>®</sup>7 Replacement

## POLYFUNCTIONAL AZIRIDINE

**PZ-33 is an ethylene imine based tri-functional polyaziridine that is used in both aqueous and non-aqueous coatings, inks, and adhesives to promote both physical and chemical properties. PZ-33 is a XAMA<sup>®</sup>7 equivalent, which can be used as replacement. Because both products are the same molecule, they have the same structure and the same CAS number. Product specifications are essentially the same. Many of our customers have been very successful using PZ-33 as a substitute for XAMA<sup>®</sup>7 in their formulation(s), which saves them lab effort and time-to-market.**



When looking for a substitute aziridine crosslinker care needs to be taken to distinguish between the two chemical types EI-based and PI- based. The PZ-33 and XAMA<sup>®</sup>7 type will react faster than the PI-based type. End users who are accustomed to XAMA<sup>®</sup>7's speed of reactivity may not be able to use a PI-based product in their processes.

<i>Typical Properties</i>	<b>PZ-33</b>	<b>XAMA<sup>®</sup>7</b>
<b>CAS Number:</b>	<b>57116-45-7</b>	<b>57116-45-7</b>
<b>Appearance</b>	<b>Slight amber clear liquid</b>	<b>Clear to slight color</b>
<b>Aziridine Content, meq/g</b>	<b>6.4 – 7.3</b>	<b>6.35 – 7.0</b>
<b>Aziridine Functionality</b>	<b>3.3</b>	<b>3.3</b>
<b>Density @ 25° C g/ml</b>	<b>1.155 – 1.175</b>	<b>1.18 – 1.20</b>
<b>Viscosity, cp @ 25°</b>	<b>&lt;4000</b>	<b>4000 max</b>

The data included herein are based on test information obtained by PolyAziridine LLC. These data are believed to be reliable but do not imply any warranty or performance guarantee. We recommend that the user determine performance by testing on his own processing equipment. We assume no liability or responsibility for patent infringement resulting from the use of these products.