



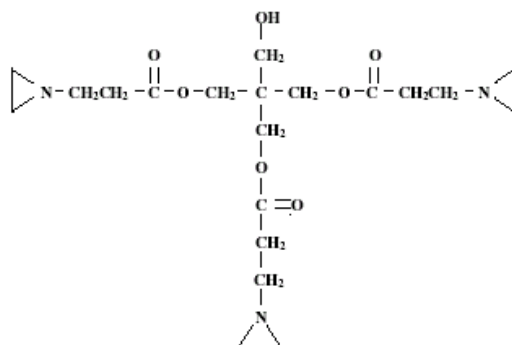
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TECHNICAL DATA SHEET

POLYFUNCTION AZIRIDINE PZE-1000

PZE-1000 is an ethylene imine based tri-functional polyaziridine that is used as a cross-linker for both aqueous and non-aqueous coatings, inks, and adhesives to promote both physical and chemical properties. With the highest level of functionality at 3.3, it yields the highest level of cross-link density of polyfunctional aziridines.

The aziridine end groups can react with active hydrogen as found on carboxyl groups of acrylic emulsions or polyurethane dispersions. PZE-1000 also has a hydroxyl group, which allows it to dispersion readily into aqueous systems.



PZE-1000 is added at levels of 1% to 3% to finished formulated coatings, inks, or adhesives. It is added slowly and under good agitation. After mixing, an aqueous system with a pH of 9.0-9.5 will typically have a pot life of 18-36 hours. This time will be reduced when the pH is lower.

<i>Typical Properties</i>	PZE-1000
CAS Number:	57116-45-7
EC Number:	501286
Appearance	Clear, slight yellow liquid with amine-loke odor
Aziridine Functionality	3.3
Viscosity, cp @ 25°	< 4,000
Density @ 25° C g/ml	1.155-1.175
Aziridine Content, meq/g	6.5-7.3

The data included herein are based on test information obtained by POLYAZIRIDINE GLOBAL, S.L. 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 their processing equipment. We assume no liability or responsibility for patent infringement resulting from the use of these products.