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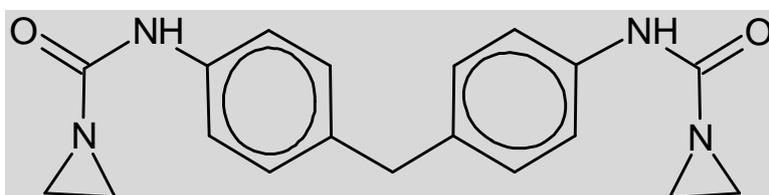
TECHNICAL DATA SHEET

PZBI-25

PZBI-25 is a cross linker agent that improves bonding and cohesive strength of resins and binders, resulting in films with better resistances, particularly scratch resistance, abrasion, hydrolysis and general chemical resistances.

As a blocked isocyanate, the blocking end groups can react with active hydrogen as found on carboxyl groups of acrylic emulsions or polyurethane dispersions. An interesting feature is that no CO₂ is released.

water dispersion of di phenyl methane - 4, 4ø di ethylene urea



PZBI-25 can be used with various functional groups like carboxyl moieties, hydroxyl, chlorosulfonic, amines and even esters under appropriate conditions. These conditions range from room temperature for the carboxylic groups to 150°C for the hydroxyl pending groups. Most standard conditions range from 80°C to 120°C in order to speed and complete cross linking process.

Normal dosing varies depending on application process and results, but 1% to 3% of the dispersion over total formulation may be a good starting point.

<i>Typical Properties</i>	PZBI-25
CAS Number:	7417-99-4
Appearance (20°C)	C ₁₀ H ₂₀ N ₄ O ₂ milky liquid
Solid content	27.5 ± 1.0
pH (5%)	10.5 ± 1.0
Viscosity, cps at 25° p.m.	<300 336.39

Applications: As resin insolubilizer and fixing aid in printing process carried out at low temperature, in order to improve durability to abrasion and washing of the designs in the treated textiles.

Unlike primary condensates of melamine or urea resins, PZBI-25 does not generate formaldehyde during heat treatment. Also it does not generate CO₂, as would do standard isocyanates.

Handling and storage: Keep closed in the original packing in a cool, well ventilated place. Keep container closed when not in use. Keep the temperature between 5°C and 30°C.

As all other water based products, low temperatures may affect the product. Dispersion can be destroyed after freezing.

Shake before using: product has a tendency to settling. Expiry date: 6 months.

Please refer to the Safety Data Sheets in order to ensure safe handling, transport and personal protection.