

H-1001 Aziridine Crosslinker

Product Description

H-1001 is a crosslinking agent with 100% active content and good water solubility. It is mainly used for crosslinking and curing in waterborne coatings, significantly improving the coating's moisture resistance, abrasion resistance, and resin crosslinking density.

Typical Physical Data

Item	Specification
Appearance	Clear transparent liquid
Active content, %	>99%
pH value	9-11 (reference value)
Viscosity (mpa.s, 25°C)	100-500

Application Scope

Suitable for all waterborne acrylic, waterborne polyurethane, cellulose, and other systems to improve various physical properties.

Formulation Recommendations

1. For primers and intermediate coatings, add 0.2%-0.5% H-1001 to the slurry.
2. For topcoats, add 0.5%-1.0% H-1001 to the slurry.

Usage Instructions

Dilute H-1001 with water at a 1:1 ratio before adding it to the system. H-1001 will react with carboxyl groups at room temperature, and baking at 60-80°C will accelerate the reaction. The mixed slurry should be used within 24 hours. If there is any remaining, it can be added to a new batch but should not exceed 20%.

Precautions

Avoid direct contact with the body. If accidentally ingested, rinse your mouth with water or milk, and seek medical attention if necessary.

Packaging



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Available in 5KG and 20KG non-recyclable plastic barrels. Ensure the container lid is tightly closed after use if not completely emptied.

Storage and Shelf Life

Store at 5-35°C, avoiding freezing and direct sunlight. Keep sealed and stir well before use.

This product information is based on our best knowledge from experimental results and is provided for reference only. We recommend customers conduct their own trials based on their specific conditions to ensure the best performance.

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