

H-1002 Carbodiimide Crosslinker

Product Description

H-1002 is a highly reactive carbodiimide crosslinker with good water dispersibility, mainly used for crosslinking and curing in waterborne coatings. It significantly improves the moisture resistance, abrasion resistance, release properties, and water resistance of coatings. This product mainly reacts with carboxyl groups in resins and does not react with hydroxyl groups. It is an eco-friendly crosslinker with no harmful substances like formaldehyde released, and the final product after crosslinking is non-toxic and odorless.

Typical Physical Data

Item	Specification
Appearance	Light yellow emulsion
Active content, %	40
pH value	7
Solvent	Water

Application Scope

Used in all waterborne carboxyl-containing systems to enhance various physical and chemical properties.

Usage Instructions

The typical dosage of this product is 1-10%wt of the emulsion weight.

The activation period of this product in waterborne resins is approximately 1-3 months. The exact activation period depends on the specific resin system, and customers should test according to their own process requirements.

Curing conditions: It can be cured at room temperature, and increasing the temperature can effectively improve the curing speed, e.g., 60-80°C/20min, or room temperature/2 days.

Precautions

Avoid contact with acids and oxidizing agents, and avoid freezing.

Packaging

Available in 5KG and 25KG 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, avoid freezing and direct sunlight. Keep sealed and stir well before use.



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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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