Product Technical Data Sheet (TDS)

Improved Waterborne Isocyanate Hardener WD-8200

English Translation of Source Document
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Product Features

WD-8200 is an HDI-based anionic water-dispersible isocyanate hardener with low viscosity, good hydrophilicity, and easy emulsification. It is used as a hardener for two-component waterborne coatings and provides high gloss, good fullness, high hardness, and excellent chemical resistance.

Applications

- Hardener for waterborne two-component polyurethane systems
- Waterborne industrial coatings
- Floor coatings
- Crosslinking agent
- Other related applications

Product Parameters

Product Property	Specification	Unit
Appearance	Water-white to slightly yellow transparent viscous liquid	/
(Fe-Co) colour number	≤1	/
NCO content	21.0 ± 0.5	%
Free HDI	≤0.3	%
Solids content	100	%
Viscosity (rotational viscometer, 25 °C)	2500 ± 1000	mPa·s

Instructions for Use

1. This product may be diluted with urethane-grade solvents such as PMA (propylene glycol methyl ether acetate), PGDA (propylene glycol diacetate), and PC (propylene carbonate).
2. This product is extremely sensitive to atmospheric humidity. When opening the original container or repacking into smaller containers, prevent moisture from entering. Reseal immediately after use or use the product as soon as possible.

Packaging and Storage

1. Available in 10 kg, 20 kg, 60 kg, and 200 kg iron drums, or in customized packaging.
2. Store in a cool, dry environment and avoid outdoor storage. Shelf life is 12 months in the original sealed package.

Disclaimer

This product data sheet has been prepared by the company using advanced testing equipment and based on actual testing and production experience. However, differences in working environments and material combinations during application are outside the company's control. Therefore, users are advised to conduct tests, experiments, and trials according to their actual needs and intended use before applying this product. The company does not assume responsibility under this data sheet for losses or risks arising from the user's use of the product.

Translation note: This document is an English translation of the supplied Chinese source. Product descriptions, application scope, values, packaging, storage conditions, and disclaimer are preserved in substance from the source.