

# Wannate<sup>®</sup> HTBL-175S

## Application

Wannate<sup>®</sup> HTBL-175S is a MEKO blocked aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI) and dissolved in 25% Solvent naphtha 100, colorless to slightly yellowish clear liquid.

Equivalent Weight ~ 378

Density at 25 °C ~ 1.06 g/cm<sup>3</sup>

Flash Point ~ 45 °C

Blocked NCO Content ~ 11.1 %

Wannate<sup>®</sup> HTBL-175S can be used as the hardener in colorfast and weather-stable, one-component polyurethane coatings. The stoving temperature can be significantly reduced by the addition of a catalyst, e.g. dibutyltin dilaurate (DBTL), without reducing the storage stability. The product is used in high-grade industrial finishes (electrical appliances, small components, can coatings, coil coatings, etc.) and in primer surfacers and topcoats for automotive finishing. Wannate<sup>®</sup> HTBL-175S can also be used as an additive in conventional stoving systems to improve the flexibility and adhesion.

## Specification

Properties	Unit	Specification
Viscosity at 25 °C	mPa·s	2500 ~ 4000
Color Value (Hazen)		≤ 60

NCO Content	%	≤ 0.2
Solids	%	73 ~ 77

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**Package(s)**

20 kg          Metal drum

215 kg         Metal drum

Other packaging according to customer needs

**Storage / Solubility**

Store in tightly closed containers to prevent moisture contamination.

Recommended storage temperature: 0 ~ 30 °C.

Protect from moisture, heat and foreign material.

General information: Storage at higher temperatures will result in increase of color and viscosity. Storage at significant lower temperatures will result in solidification. This solidification is reversible by briefly heating the product without adversely affecting the quality of the product.

**Compatibility**

Given equivalent crosslinking (NCO/OH = 1.0). Wannate® HTBL-175S is miscible with polyester polyols, polyether polyols and polyacrylates. Wannate® HTBL-175S can also be combined with various plasticisers, e.g. phosphoric acid, sulphonic acid, adipic acid and phthalic acid esters. The combinations should always be tested for their compatibility.

**Shelf Life**

It can remain stable at least for 6 months at room temperature if stored properly.

**Safety Hazards Identification**

More advice and information given in the safety data sheet.

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**Disclaimer**

This information and our technical advice are in good faith but without warranty, and this also applied where proprietary rights of third parties are involved. We advise to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and therefore, entirely your own responsibility.

For more information, please refer to our SDS or contact our customer service center.

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