

## Technical Data Sheet

Revision Date: 2017-06-09  
Name: WANNATE<sup>®</sup> HT-75BS

NO. PCS\_0024  
Version: 3.0

### Application

WANNATE<sup>®</sup> HT-75BS (solution of 1,6-hexamethylene diisocyanate based polyisocyanate) is an aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI) and dissolved in 25% of n-butyl acetate and solvent naphtha 100 (1:1) mixed solvent, colorless to slightly yellowish clear liquid.

Equivalent Weight ~ 256

Density at 25 °C ~ 1.08 g/cm<sup>3</sup>

WANNATE<sup>®</sup> HT-75BS can be used as the hardener component for lightfast two-component polyurethane coatings with high resistance to chemicals and weathering, very good gloss retention and outstanding mechanical properties.

The main applications for coatings based on WANNATE<sup>®</sup> HT-75BS are automotive refinishing, transportation, industrial finishing and plastics.

### Specification

Properties	Unit	Specification
NCO Content	%	16.0 ~ 17.0
Solids	%	74.0 ~ 76.0
Viscosity at 25 °C	mPa s	60 ~ 100
Chromatic Number	APHA	≤ 40
HDI Content	%	≤ 0.20

### Package(s)

20 kg            Metal drum

60 kg            Metal drum

220 kg           Metal drum

IBC & ISO TANK

Other packaging available according to customer needs

### **Storage/ Solubility**

Storage in original container. Protect from moisture, heat and foreign material.

WANNATE<sup>®</sup> HT-75BS is sensitive to moisture. Storage at higher temperatures will result in increasing of color and viscosity.

WANNATE<sup>®</sup> HT-75BS can be thinned with esters, ketones and aromatic hydrocarbons such as ethyl acetate, butyl acetate, methoxypropylacetate, acetone, methyl ethyl ketone, methyl isobutyl ketone, cyclohexanone, toluene, xylene, solvent naphtha 100 and mixtures thereof. Generally speaking, it has good compatibility with the solvents listed. However, the solutions formed must be tested for their storage stability. Only PU grade solvents should be used (max.0.05% water, absence of reactive groups such as hydroxyl or amino groups). Aliphatic hydrocarbons are unsuitable as solvents.

WANNATE<sup>®</sup> HT-75BS is not recommended to be thinned to a lower solid content. Prolonged storage of a solution with a lower content may result in turbidity and sedimentation, even gelation.

### **Compatibility**

WANNATE<sup>®</sup> HT-75BS can be mixed with the following products: aliphatic polyisocyanates, polyester polyols, aromatic polyisocyanates and polyacrylates.

### **Shelf Life**

WANNATE<sup>®</sup> HT-75BS is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 6 months at temperatures between 0 and 30 °C.

**For more information about safety and environment, please refer to our MSDS or contact our customer service center.**

**Version Information:**

Date of first issue: Oct 6, 2016

Date of 1<sup>st</sup> revise: Feb 19, 2017 Reason for revision: Change of contact information

Date of 2<sup>nd</sup> revise: June 9, 2017 Reason for revision: Change of company LOGO

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The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.