

Technical Data Sheet

Revision Date: 2017-06-09

NO. PCS_0001

Name: WANNATE[®] HDI

Version: 3.0

Application

WANNATE[®] HDI (Hexamethylene Diisocyanate, 1,6-diisocyanatohexane) is a liquid aliphatic diisocyanate. It is a colorless or pale yellow liquid with low viscosity.

Density at 20 °C ~ 1.05 g/cm³

Viscosity at 25 °C ~ 3 mPa s

WANNATE[®] HDI is raw material for polyurethanes. Products based on WANNATE[®] HDI is mainly used in PU varnish, top-grade coatings, car refinishing paint, plastic coating, top-grade wood paint, industrial coating, anti-corrosive coating, elastomers, adhesives and textile finishing agent. Polyurethane coatings based on WANNATE[®] HDI have a high degree of oil resistance coupled with good wear-resisting. It is also lightfast and has the property of powdering resistance, color retention and weathering resistance. In addition, WANNATE[®] HDI also can be used in coating curing agent, high polymer adhesive, low temperature adhesive for printing paste, collar copolymer coating, and immobilized enzyme adhesive.

Specification

Properties	Unit	Specification
Purity	% (A/A)	≥ 99.50
NCO Content	%	≥ 49.70
Chromatic Number	APHA	≤ 30

Hydrolysable Chlorides	%	≤ 0.0100
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Package(s)

200 kg Metal drum

Other packages available according to customer needs.

Storage / Solubility

WANNATE[®] HDI is sensitive to moisture and therefore should be stored in its sealed original containers. When stored under the proper conditions at room temperature (0 ~ 30 °C), the product will remain stable for at least 9 months. Water or moisture in the air reacts with the product and generate pressure. If partially filled containers are stored, it is advisable to blanket the liquid surface with dry nitrogen before sealing.

Shelf Life

WANNATE[®] HDI is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 9 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: June 6, 2013

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

Date of 2nd 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.