

Technical Data Sheet

Revision Date: 2017-01-25

NO.FCU_0001

Name: WANNATE[®] HDI

Version: 2.0

Application

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

Density at 20 °C ~ 1.05 g/cm³

Flash Point (Closed Cup) ~ 135 °C

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)	≥ 99.5
NCO Content	%	≥ 49.7

Color Value	APHA	≤ 30
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Hydrolysable Chlorides	%	≤ 0.01
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Package(s)

200 kg Metal drum

Other packaging 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.

Safety Hazards Identification

More advice and information given in the safety data sheet.

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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