

Wannate[®] HDI

Description

Wannate[®] HDI is a liquid aliphatic diisocyanate. It is a colorless or pale yellow liquid with low viscosity .

Application

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.

Typical properties and Chemical Properties

Properties	Typical Value
Assay	≥ 99.5%
NCO Content	≥ 49.7
Color Value	≤ 30
Density at 25 °C, g/cm ³	approx. 1.05
Flash point (P-M Closed Cup)	approx. 135 °C
Viscosity at 25 °C, mpa.s	approx. 3
Hydrolyzable chlorides, ppm	100 maximum
Total chlorides, ppm	800 maximum

Package

210 L iron drum, 200 kg/drum

20 L iron drum, 20 kg/drum

Storage

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, the product will remain stable for at least 6 months. Water or moisture in the air reacts with the product generate pressure. If partially filled containers are stored, it is advisable to blanket the liquid surface with dry nitrogen before sealing. The shelf life for Wannate[®] HDI is 9 months.

Safety

Cause irritation to eyes, skin, mucous membranes, and upper respiratory tract.

May cause sensitization by inhalation and skin contact.

Remove to fresh air and give oxygen if breathing is difficult. Seek medical attention.

Flush effected eyes with water for at least 15 minutes. Seek medical attention.

Remove contaminated clothing, then wash effected area with soap and water. If allergic reaction occurs, seek medical attention.

FIRE and Explosion Hazard

Firefighters should wear a self-contained breathing apparatus to avoid exposure to potential vapor hazards.

Use CO₂, dry chemical or foam.

If water is used, a large quantity should be used to ensure cooling of burning isocyanate.

For further information please contact us:

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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 MSDS or contact our customer service center.
