

## Technical Data Sheet

Revision Date: 2017-06-30  
Name: WANNATE<sup>®</sup> CDMDI-100H

NO. WHPU\_0014  
Version: 6.0

### Application

WANNATE<sup>®</sup> CDMDI-100H is carbodiimide-uretonimine-modified 4,4'-diphenylmethane diisocyanate (MDI-100). It is a yellow liquid at ambient temperatures.

WANNATE<sup>®</sup> CDMDI-100H is mainly used in the production of high-performance cellular PU elastomer and flexible PU integral skin foam which include shoe soles, airless tyres, automotive bumper, splash apron, shock damper, spoiler, steering wheel, seat head-rest, arm rest, etc.. It is also widely used in the production of adhesives, coating, finishing agent for textile coating and insulating varnish.

### Typical Physical and Chemical Properties

Test Item(s)	Specifications
Appearance	yellow liquid
Color(APHA)	≤220
NCO, %Wt	28.0~30.0
Acidity %(HCl), %	≤0.04
Viscosity at 25°C, mPa•s	25~60

### Package(s)

210 liter iron drums, 240kg/drum  
18L (5 gal.) pails, 20kg (44lbs.) / pail

### Storage

Since WANNATE<sup>®</sup>CDMDI-100H is a reactive chemical, reaction with atmospheric moisture happens easily and leads to the formation of insoluble urea and carbon dioxide gas, which can result in pressure build-up in closed containers and viscosity increase of the product. Containers must therefore be absolutely dry and carefully sealed after congested with

nitrogen.

Containers of WANNATE®CDMDI-100H should be kept properly closed and stored indoors at ambient temperatures (20-30°C) in a well-ventilated area. Storage at low temperatures (below 15°C) may lead to some crystallization; This material must, therefore, be protected from frost. If crystallization does occur, the material should be heated to 70-80°C to melt it out, and should then be thoroughly agitated before use.

### **Shelf Life**

Under recommended storage conditions, the shelf life of WANNATE®CDMDI-100H is 6 months since the date of production.

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

### **Version information:**

Date of first issue : June 6 ,2013

Date of 1<sup>st</sup> revise: Feb 6, 2015 Reason for revision : The need of product classification

Date of 2<sup>nd</sup> revise : May 5, 2015 Reason for revision: A change of company address

Date of 3<sup>rd</sup> revise : Aug.18, 2015 Reason for revision: Unified the template of TDS

Date of 4<sup>th</sup> revise: May 31, 2016 Reason for revision: Change of product standard.

Date of 5<sup>th</sup> revise: June 30, 2017 Reason for revision: Change of company LOGO.

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### **For further information please contact us:**

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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.