

## WANNATE<sup>®</sup> PM-200

### Application

WANNATE<sup>®</sup> PM-200 is a diisocyanate-diphenylmethane(MDI)-based composition containing some higher functionality isocyanates. The functionality is about 2.6-2.7. It is a brown liquid at ambient temperatures.

WANNATE<sup>®</sup> PM-200 can be widely used in the production of rigid PU foam heat-insulating materials; also used in isocyanurate foam, paints, adhesives, structural foam, cellular integral skin foam, automotive bumper and interior parts, high-resilience foam and synthetic wood, etc. Due to its unique composition structure, WANNATE<sup>®</sup> PM-200 can provide better flowability. It is, therefore, particularly suitable for the production which require strict flowability of systems.

### Typical Physical and Chemical Properties

Test Item(s)	Specification(s)
Appearance	Brown Liquid
Viscosity at 25°C, mPa.S	150-250
NCO, %	30.5-32.0
Density 25°C, g/cm <sup>3</sup>	1.220-1.250
Acidity (HCl), %	≤0.05
Hydrolysable Chlorine, %	≤0.2

### Package(s)

210L iron drums, 250kg/drum

### Storage

Since WANNATE<sup>®</sup> PM-200 is a reactive chemical, reaction with atmospheric moisture happens easily and leads to the formation of insoluble ureas 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<sup>®</sup> PM-200 should be kept properly closed and stored indoors at ambient temperature (15-35°C) in a well-ventilated area. Storage at low temperature (below 5°C) may lead to some crystallization; this material must, therefore, be protected from frost. If crystallization does occur, the material should be heated by rolling the drum in a hot air oven at 70-80°C to melt it out, and should then be thoroughly agitated before use. Melting in a water bath is not recommended.

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Extended storage at temperatures above 50°C is not recommended to prevent from the formation of insoluble solids and viscosity increase.

### **Shelf Life**

Under recommended storage conditions, the shelf life of WANNATE<sup>®</sup> PM-200 is one year since the date of production.

**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 issue : Feb 6, 2015 Reason for revision : The need of product classification

Date of issue : May 5, 2015 Reason for revision: A change of company address

Date of issue : Aug.18, 2015 Reason for revision: Unified the template of TDS

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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.