



Wanhua Modified MDI

Wannate 8001

Application:

Modified MDI, is a mixture of polyol-modified diphenylmethane diisocyanate and polyphenyl methane polyisocyanate. It is a brown liquid at room temperature. It can be mainly used in the production of high resilience foam.

Typical physical and chemical properties

Name	Wannate 8001
Appearance	Brown
Viscosity (25°C), mPas	70±50
NCO content, %	29.2±0.5

Storage:

Since Wannate 8001 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 8001 should be kept properly closed and stored indoors at ambient temperatures (20-25°C) in a well-ventilated area. Storage at low temperatures (below 10°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, strictly prohibit to heat over at local part and should then be thoroughly agitated before use.

Shelf Life

Under recommended storage conditions, the shelf life of Wannate 8001 is nine months. If the production is overdue, but it's main physical and chemical properties in the guide line, may not effect on it's using properties.

Safety

Wannate 8001 is of low toxicity by inhalation and skin absorption. The very low volatility of Wannate 8001 means that it should be of little hazard for brief exposures under normal conditions, e.g. in cases of small spillages.

Nevertheless, Wannate 8001 is an isocyanate-based composition and should be of certain toxicity. It may cause mild eye irritation and slight skin irritation. It may pose problems of kin sensitization. Wannate 8001 has a Ceiling Threshold Limit Value, TLV(C) of 0.02ppm(0.2mg/M³). It is important to note, however, that a vapour hazard will arise if the material is heated to temperatures above 40°C, or if it is reacted in an