

WANNATE 8312

Product Introduction

WANNATE 8312 is a modified diphenylmethane diisocyanate (MDI), containing relatively high level of 2, 4'-MDI. It is a light yellow liquid at room temperature. WANNATE 8312 is specially designed for polyurea spray elastomer applications.

Typical physical and chemical properties*

Name	WANNATE 8312
Appearance	light yellow liquid
Isocyanate equivalent weight	272
NCO content, %	15.5
Viscosity at 25°C, mPa.s	680
Specific gravity at 25°C	1.14
Acidity (as HCL) , %	<0.05
Flash point, °C	>170

*These values provide general information and are not part of the product specification.

Package

200 liters iron drums, 220kg/ Drum

Storage

Since WANNATE 8312 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 8312 should be kept properly closed and stored indoors at ambient temperatures (20-30°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 over heating at local part and should then be thoroughly agitated before use.

Prolonged storage over 50°C is prohibited in order to avoid formation of insoluble solid and viscosity increase of the product. If the production is overdue but its main physical and chemical properties are in the guide line, the using properties may not be affected.

Shelf Life

Under recommended storage conditions, the shelf life of WANNATE 8312 is six months from the production date.

Safety

WANNATE 8312 is of low toxicity by inhalation and skin absorption. The very low volatility of

WANNATE 8312 means that it should be of little hazard for brief exposures under normal conditions, e.g. in cases of small spillages.

Nevertheless, WANNATE 8312 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 skin sensitization. Even under normal conditions, WANNATE 8312 remains a reactive chemical and care should be taken to prevent it from coming into contact with the skin and eyes when handling it. Suitable protective clothing such as glove, protective spectacles and work suit should be worn. Splashes on the skin or in the eyes should be removed promptly by irrigation with clean water and the skin should be well washed with soap and water.

Spillage Handling

In case of spills, evacuate and ventilate the spill area. Only worn protective clothing personnel should be involved in the spill cleanup and waste disposal operations. Spills can be covered with absorbent or sand, transferred into open containers, properly labeled and removed from the work area for decontamination with a suitable decontamination solution. All disposal methods must be in accordance with local environmental protect law and regulations.

Declaration

The data in this manual are provided as general information only. The guaranteed specifications please see the Quality Warranty or 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. For more details, contact Market Department or technical service center.

For more information, please refer to our MSDS or contact our customer service center.

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