



Product Data Sheet

I-BOND[®] WFI 4376

I-BOND[®] WFI 4376 is an emulsifiable reactivity modified diphenyl methane diisocyanate (MDI).

APPLICATION

I-BOND[®] WFI 4376 was developed for the use in the production of WFI panels. The product can offer one or more of the following advantages; curing steam process, better distribution by mixing it with water and extended pot-life as an emulsion.

For more information about this product, please contact the nearest Huntsman technical center or contact us at www.ibondwood.com

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	brownish clear liquid		
NCO value	29.6	%	PU/IV-1
Viscosity (25 °C)	280	mPa.s	PU/VIS-1
Hydrolysable chlorine	<= 2000	ppm	PU/HC-1
Specific gravity (25 °C)	1.23		PU/SPG-1

STORAGE AND HANDLING

Containers of I-BOND[®] WFI 4376 should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions. Storage at temperatures ranging from 20 - 30°C provides a convenient viscosity for handling. Storage at low temperature is not recommended because it may lead to some crystallization; this material must therefore be protected from frost.

Storage at temperatures above 50°C is not recommended, since this can lead to the formation of insoluble solids and also the viscosity build-up increases on extended storage. Under the recommended storage conditions and if protected from humidity and contaminants, i.e. in properly sealed drums, cans, etc., I-BOND[®] WFI 4376 has a provisional storage life of 6 months at the customer.

In case of storage in bulk containers, please contact our Sales Representative for further details. Detailed information on how to obtain optimum bulk storage conditions is available in the ISOPA document Guidelines for Safe Loading/Unloading, Transportation & Storage of TDI and MDI.

Reaction with atmospheric moisture is prevented by storing I-BOND[®] WFI 4376 in carefully sealed containers under a dry air atmosphere. During handling, the product must be protected from water ingress and from atmospheric

moisture. Containers should be re-sealed immediately after each sampling. The reaction of isocyanates with water leads to the formation of insoluble urea's and carbon dioxide gas, which can lead to pressure build-up in closed containers. Containers used for I-BOND[®] WFI 4376 must therefore be absolutely dry.

The precautions necessary when handling I-BOND[®] WFI 4376 , i.e., MDI, and the decontamination procedures recommended to be used in case of spillage, are described fully in the publication PU 193-1E; MDI-based compositions: Hazards and safe-handling procedures

HEALTH AND SAFETY

The appropriate health and safety advice can be found in the safety data sheet for I-BOND[®] WFI 4376 is available on request. The applicable Safety Data Sheet should be reviewed by customer before handling the Huntsman product. All users of I-BOND[®] WFI 4376 are advised to read the publication PU 193-1E; MDI-based compositions: Hazards and safe-handling procedures

For further information, please contact your nearest sales office: http://www.huntsman.com/PU_customer_service

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