



Product Data Sheet

I-BOND[®] WFI 4370

I-BOND[®] WFI 4370 is a standard functionality high reactivity modified diphenyl methane diisocyanate (MDI).

APPLICATION

I-BOND[®] WFI 4370 was developed specially for use in the production of wood fibre insulation panels. This product has been designed to offer a faster cure using steam or a lower press temperature and a higher moisture content of the wood fibres.

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

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	brown liquid		
NCO value	27.3	%	PU/IV-1
Viscosity (25 °C)	395	mPa.s	PU/VIS-1
Hydrolysable chlorine	<= 2000	ppm	PU/HC-1
Specific gravity (25 °C)	1.23		PU/SPG-1
Flash point (Open cup)	240	°C	

STORAGE AND HANDLING

Containers of I-BOND[®] WFI 4370 should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions. Storage at temperatures ranging from 25-45 °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 4370 has a storage life of 4.5 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 4370 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 4370 must therefore be absolutely dry. The precautions necessary when handling I-BOND[®] WFI 4370, 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 4370 available on request. The applicable Safety Data Sheet should be reviewed by customer before handling the Huntsman product. All users of I-BOND[®] WFI 4370 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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