



Product Data Sheet

I-BOND® PB EMFC 4324

I-BOND® PB EMFC 4324 is an emulsifiable reactivity modified diphenyl methane diisocyanate (MDI).

APPLICATION

I-BOND[®] PB EMFC 4324 was developed for the use in the production of Particle Board (PB) panels. The product has been designed to combine the advantage of a better distribution and extended pot-life as an emulsion with an increase of the reactivity. The increased reactivity results in the potential increase of the production rate in an PB manufacturing facility.

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

STORAGE AND HANDLING

Containers of I-BOND[®] PB EMFC 4324 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 crystallisation; 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[®] PB EMFC 4324 has a storage life of 9 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® PB EMFC 4324 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® PB EMFC 4324 must therefore be absolutely dry. The precautions necessary when handling I-BOND® PB EMFC 4324, 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® PB EMFC 4324 is available on request. The applicable Safety Data Sheet should be reviewed by customer before handling the Huntsman product. All users of I-BOND® PB EMFC 4324 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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