

TECHNICAL DATASHEET

Product Name: Modified Isocyanate 8021 (Binder)

Applications:

Modified Isocyanate 8021, is a prepolymer manufactured from diphenylmethane diisocyanate and polyphenylmethanepolyisocyanate. It is a brown liquid at room temperature. It can be mainly used as binder in the production of polyurethane, slabstock, foam waste.

Typical physical and chemical properties:

Name	Modified MDI 8021
Appearance	Brown liquid
NCO content, %	21-22
Viscosity at 25oC, mPa.s	1100 – 1350
Specific Gravity at 25oC	1.15
Acidity (as HCL) , %	< 0.05
Flash Point, Deg C	> 170

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

Packaging: 230 Kg metal drum.

Storage: Since Modified MDI 8021 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 Modified MDI 8021 should be kept properly closed and stored indoors at ambient temperatures (15- 25o C) in a well-ventilated area. Storage at low temperatures (below 10oC) may lead to some crystallization; this material must, therefore, be protected from frost. If crystallization does occur, the material should be heated to 70- 80oC to melt it out, strictly prohibit to heat over at local part and should then be thoroughly agitated before use.

Shelf Life: Under 15-25o C storage conditions, the shelf life of Modified MDI 8021 is six months.

Recommended Dosage: 10 % to 14 % depending upon various density of PU foam used during manufacturing process.

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 information, please contact our office.

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