

FAMOUS SPECIALITY CHEMICALS

701,702 Divya Ambe, Near Rustomjee & SBI bank,
Above Honda Showroom, Dahisar-West, Mumbai - 400068. India
Email: contact@famous-speciality.com
Tele/Fax: +(91) -(22)- 45176644



FSC[®] E 21

Characterization

Aromatic polyisocyanate prepolymer based on diphenylmethane diisocyanate (MDI).

(A)

As a binder for the formulation of moisture-curing, one-component coatings and adhesives.

(B)

As a hardener for hydroxyl-bearing co-reactants.

Form supplied

Liquid of medium viscosity

Specification

Property	Value	Unit of measurement	Method
NCO	16.0 ± 0.7	%	MDI-01-01
Viscosity 25 °C	5,400 ± 1,300	mPa·s	MDI-01-02

Other data*

Property	Value	Unit of measurement	Method
Equivalent weight	251 - 274		
Flash point	> 250	°C	DIN EN ISO 2719
Density 20 °C	approx. 1.15	g/ml	DIN EN ISO 2811-1

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

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Solubility / thinnability

in general, FSC[®] E 21 has good compatibility with ethyl acetate, butyl acetate, 1-methoxypropylacetate-2, xylene, Shellsol[®] A and Solvesso[®] 100. However, the solutions formed must be tested for their storage stability. Prolonged storage of a solution with low binder content may result in turbidity and sedimentation. Only PU grade solvents should be used (< 0.05 % water). The solvent should not contain reactive groups.

Properties / Applications

FSC[®] E 21 is suitable for use in the formulation of moisture-curing one-component systems which, when thinned with a suitable solvent, can be used as a primers and sealers for porous substrates to provide protection against moisture, oil, fuel and other chemicals.

It can also be used as a binder in the formulation of synthetic resin mortars.

In combination with suitable Desmophen polyols, FSC[®] E 21 yields tough but flexible, wear-resistant coatings and sealers.

FSC[®] E 21 is also suitable for use in the formulation of moisture-curing one-component adhesives or in combination with Baycoll[®] to formulate two-component adhesives. These can be used to bond many materials, e.g. wood, metal and plastic.

Storage

- Storage in original sealed Famous Speciality Chemicals container.
- Recommended storage temperature: room temperature (approx. 23 °C)
- Protect from moisture, heat and foreign material.

General information: The product is sensitive to moisture and should therefore be stored in its sealed original containers. Storage at high temperatures will lead to an increase in viscosity and a reduction of the NCO content.

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Storage time

Famous Speciality Chemicals represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Famous Speciality Chemicals recommends to test such a product if it still meets the specifications or the set values. Famous Speciality Chemicals does not make any representation regarding the product after the lapse of the six months period and Famous Speciality Chemicals shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.

Labeling and statutory requirements: This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently **valid Safety Data Sheet**.
