

VEENATE-BI-201

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DESCRIPTION

VEENATE-BI-201 is a blocked aliphatic polyisocyanate based on modified HDI trimer. It is cross-linking agent for hydroxyl-functional resins (polyester, polyurethane, acrylic etc.). Its chemical structure provides the compounder with a wide range of flexibility, functionality, and branching.

AREAS OF APPLICATION

Blocked isocyanates have a wide range of applications and can be used in coating industries as well as other areas as listed below:

- Coil coating
- Automotive OEM
- Wire enamels
- Fabric coating
- Powder coating
- Cationic electro deposition coating

CHARACTERISTICS

- Good colour stability
- Lower unblocking temperature
- Shortened dwell time and decreased energy consumption
- Good chemical resistance and environmental attack
- Good resistance to yellowing over bake and UV exposure

SPECIFICATION

PARAMETER	VALUE
Appearance	Clear, Pale yellow liquid
Bulk density, g/cm ³	1.05
Viscosity @ 25°C, cps	600
Solid content (%)	70
NCO content (%)	< 0.1
Equivalent Weight	410
Blocking agent	DMP
Solvent	PM

APPLICATION METHODS

The properties of coatings based on **VEEANATE-BI-201** blocked polyisocyanate can be influenced, as with two-component polyurethane systems, by the degree of cross linking and choice of polyol. The cure time and temperature required also depends upon the choice of the co-reactant.

PACKAGING DESCRIPTION

- **VEEANATE-BI-201** is available in 20 kg or 35 kg plastic cans and 200 kg drum.

HANDLING

- Keep out of reach from sunlight
- For industrial use only
- All application parts should be clean and dry
- Use this product after completely cured
- Wear gloves and protective masks

STORAGE

- **VEEANATE-BI-201** should be stored at 30°C away from moisture and contaminants. Storing at temperatures above the specified value may cause change in product characteristics.
- Refilling of the product container is not encouraged. Materials once removed from container must not be mixed with fresh product in the original packaging, this may lead to contamination.
- Store away from heat and ensure that the container is tightly closed.
- Shelf life of **VEEANATE-BI-201** is 6 months from the date of manufacturing.

Disclaimer: This product belongs to an extensively researched class of chemicals. The data enclosed in this document is compiled based on the literature data and some preliminary testing conducted in-house. Veeyor Polymers Private Limited is not responsible for the application, use and the processing of the products intended by the end-user.