

Tolonate[®] HDB



Description

- ⇒ Viscous solvent-free aliphatic polyisocyanate based on Hexamethylene Diisocyanate biuret (HDI homopolymer).

Suggested Uses

- ⇒ Two-component polyurethane coatings and varnishes.
- ⇒ Exterior protective coatings for car repair, general industrial, plastics, wood...etc.
- ⇒ Intermediate for prepolymer synthesis.

Specifications

(valid for the product manufactured in Pont-de-Claix, France and Freeport, Texas, USA)

Colour	≤ 40 HAZEN (APHA)
Viscosity at 25°C	9000 ± 2000 mPa.s
NCO (on delivery form)	22.0 ± 1.0 %
Hexamethylene diisocyanate monomer (HDI)	< 0.3 %

The analytical methods are available upon request

Physical Properties

Appearance	Clear viscous liquid
Solids content	100% approx.
Bulk density at 25°C	1120 kg/m ³ approx.
Weight per US gallon	9.35 lbs approx.
Flash point (closed cup)	> 120°C
Equivalent weight (on delivery form)	191 g approx.

Solubility

Soluble in esters, ketones, aromatic hydrocarbons. In most cases, esters/aromatic hydrocarbon mixtures are used.

It is recommended to use "urethane grade" solvents for the dilution (with water content below 300 ppm).

Tolonate[®] HDB

Applications

- ⇒ **Tolonate[®] HDB** is typically used as a crosslinker of hydroxylated polymers, especially polyesters and polyacrylic polyols, to prepare two-component polyurethanes coatings showing excellent outdoor durability and mechanical properties in conjunction with outstanding resistance to solvents, abrasion and chemicals.
- ⇒ It is delivered not diluted with any solvent, which gives a higher degree of formulation freedom.

Packaging and transport

Packaging (please contact our sales team for more details)

- ⇒ US origin: 225 kg net metallic drum
- ⇒ France origin: deliveries of 900 kg net weight pallets (4 drums of 225 kg net weight).
- ⇒ Other packaging: upon request

Transport

- ⇒ Not regulated. For more precise details, please refer to the safety data sheet

Storage conditions and shelf-life

- ⇒ Tolonate[®] HDB is sensitive to moisture and should be kept in its original container or in a volume tank under dry nitrogen blanketing, for example.
- ⇒ Appropriate storage for 2 years does not normally affect the product in any way if it is stored in its sealed original drums in proper storage conditions at temperatures below 40°C.

Inflammability and safety instructions

- ⇒ Before handling this product please refer to its safety data sheet

WARNING TO USERS

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third parties through the use of our products. PERSTORP guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local regulation and for obtaining the necessary certifications and authorizations.

Users are requested to check that they are in possession of the latest version of the present document and PERSTORP is at their disposal to supply any additional information.

TOLONATE[®] is a registered mark of PERSTORP.