

Tolonate[®] HDT 90



Description

- ⇒ Aliphatic polyisocyanate based on Hexamethylene Diisocyanate trimer (HDI homopolymer), supplied at 90 % solids in a blend of butyl acetate and aromatic hydrocarbon (1 for 1 in weight).

Suggested Uses

- ⇒ High solids two-component polyurethane coatings and varnishes.
- ⇒ Exterior protective coatings for automotive OEM, car repair, industrial machinery, plastic partsetc.

Specifications

(valid for the product manufactured in Pont-de-Claix-France; Freeport, TX-USA and Paulinia-Brazil)

Colour	≤ 40 HAZEN (APHA)
Viscosity at 25°C	500 ± 100 mPa.s
NCO (on delivery form)	19.8 ± 0.7 %
Solids content	90.0 ± 1.0 %
Hexamethylene diisocyanate monomer (HDI)	< 0.2 %

The analytical methods are available upon request

Physical Properties

Appearance	Clear liquid
Bulk density at 25°C	1120 kg/m ³ approx.
Weight per US gallon	9.35 lbs approx.
Flash point (closed cup)	53°C approx.
Equivalent weight (on delivery form)	212 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).

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Applications

- ⇒ **Tolonate[®] HDT 90** 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.

Packaging and transport

Packaging (please contact our sales team for more details)

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

Transport

- ⇒ Regulated. For more precise details, please refer to the safety data sheet

Storage conditions and shelf-life

- ⇒ Tolonate[®] HDT 90 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

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