

HDI trimer Vencorex 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:

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).

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 and Thailand origin: 225 kg net metallic drums

France origin: deliveries of 900 kg net weight pallets (4 drums of 225 kg net weight).

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.

Flammability and safety instructions:

Before handling this product please refer to its safety data sheet

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