Product data sheet

Tolonate™ HDB 75 MX

Description

- Aliphatic polyisocyanate biuret (HDI homopolymer) supplied at 75 % solids in a blend of methoxypropyl acetate and xylene (1 for 1 by weight).

Suggested Uses

- Conventional two component polyester/alkyd urethanes.
- High durability protective coatings for industrial maintenance.
- Topcoats for transportation and metallic devices.

Specifications

Colour	≤ 40 HAZEN (APHA)
Viscosity at 25°C	250 ± 100 mPa.s
NCO (on delivery form)	16.5 ± 0.5 %
Solids content	75.0 ± 1.0 %
Hexamethylene diisocyanate monomer (HDI)	< 0.3 %

The analytical methods are available upon request

Physical Properties

Appearance	Clear liquid
Bulk density at 25°C	1067 kg/m^3 approx.
Weight per US gallon	8.91 lbs approx.
Flash point (closed cup)	38°C approx.
Equivalent weight (on delivery form)	255 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™ HDB 75 MX is typically used in combination with hydroxylated polymers, notably polyesters and polyacrylates, in the preparation of two component systems for weatherable coatings which give excellent mechanical properties in conjunction with outstanding resistance to solvents, abrasion and chemical products.

Packaging and transport

Packaging (please contact our sales team for more details)

- US origin: 215 kg net metallic drum
- France and Thailand origin: deliveries of 860 kg net weight pallets (4 drums of 215 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™ HDB 75 MX 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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