

Technical Data Sheet

Revision Date: 2023-12-14

NO. PCS_0043

Name: **FSCTM TL-75E**

Version: 7.0

Application

FSCTM TL-75E is an aromatic polyisocyanate based on toluene diisocyanate. It is a colorless or pale yellow liquid with a solvent-like odor. Approx. 75 % in ethyl acetate.

Equivalent weight approx. 315

Density at 20 °C approx. 1.17 g/ml

Flash point approx. 5 °C

In combination with various hydroxyl-bearing substances to formulate two-component polyurethane coatings and adhesives.

Specification

Properties	Unit	Specification
NCO content	%	12.9-13.7
Monomeric content	%	<0.50
Viscosity (25 °C)	mpa · s	1000-2000
Color value (Gardner)		≤ 1.0
Non-volatile content	%	73.0-77.0

Package

225 kg/20kg Metal drum

Other packages available according to customer needs

Storage / Solubility

Storage in original container. Protect from moisture, heat and foreign material.

FSC™ TL-75E is sensitive to moisture. Storage at higher temperatures will result in increasing of color and viscosity. Storage at significant lower temperatures will result in solidification. This solidification is reversible by briefly heating the product without adversely affecting the quality of the product.

FSC™ TL-75E can be thinned with esters, ketones and aromatic hydrocarbons such as ethyl acetate, butyl acetate, methoxypropylacetate, acetone, methyl ethyl ketone, methyl isobutyl ketone, cyclohexanone, toluene, xylene, solvent naphtha 100 and mixtures thereof. Generally speaking, it has good compatibility with the solvents listed. However, the solutions formed must be tested for their storage stability. Only PU grade solvents should be used (max. 0.05% water, absence of reactive groups such as hydroxyl or amino groups).

FSC™ TL-75E is not recommended to thin to a lower solid content.

Prolonged storage of a solution with a lower content may result in turbidity and sedimentation, even condensation.

Compatibility

FSC™ TL-75E can be mixed with the following products: aliphatic polyisocyanates, polyester polyols, aromatic polyisocyanates and polyacrylates.

Shelf Life

It can be stored at least for 9 months provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section " Storage / Solubility " above and is otherwise handled appropriately.

For more information about safety and environment, please refer to our MSDS or contact our customer service center.

For further information, Please Contact Us:

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