



Additive TI

Monofunctional Isocyanate

Catalog Nr. Q547

Definition Additive TI is a reactive monofunctional isocyanate of low viscosity which reacts with water generating an inert amide. Additive TI eliminates slight parts of humidity and prevents moisture-related problems in the formulation of polyurethane coatings.

CAS Number 4083-64-1

Application Polyurethane coating manufacture additive for water prevention.

Are there additives which prevent a moisture-sensitive coating from becoming unusable when working in very humid regions or as the result of a reaction with water during storage?

Yes. In principle, a distinction is made between additives which react with water to yield non-reactive secondary products which are readily soluble and additives which absorb the water. For example, Additive TI - a monofunctional isocyanate - reacts with water to product amine and CO₂. In contrast, Additive OF - a non-reactive molecular sieve - binds the water by adsorption so that it is no longer available as a potential co-reactant. Both products can therefore be used as stabilizers in moisture-sensitive coatings, e.g. two-component polyurethane coatings.

Additive TI eliminates moisture introduced with solvents, pigments, and fillers in 1-component as well as in classical 2-component PU systems.

Furthermore Additive TI is recommended for the storage stabilization of purified diisocyanates against decomposition and discoloration.

Technical Data	Appearance	colorless to yellow-brownish liquid
	Active ingredient content, %	>96
	Density (20°), g/cm ³	approx. 1.29 DIN 51757
	Flash point , °C:	>150 DIN 51584

Packaging & Handling Drums x 20 or 225 kgs

UN Number	Class	Packaging Group
------------------	--------------	------------------------

Remarks