

# Moisture Scavenger for Short-Term Dehydration

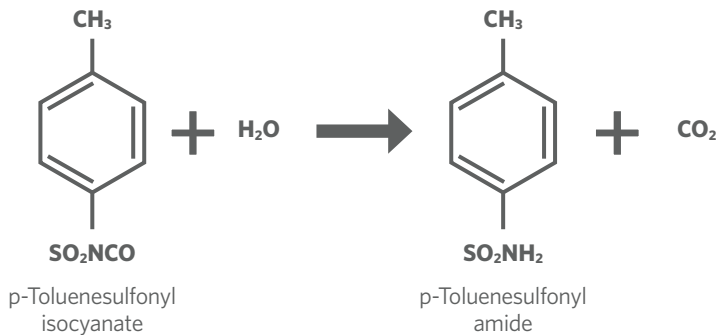
## Additive TI<sup>™</sup>

for Solventborne 1K and 2K Polyurethane Systems

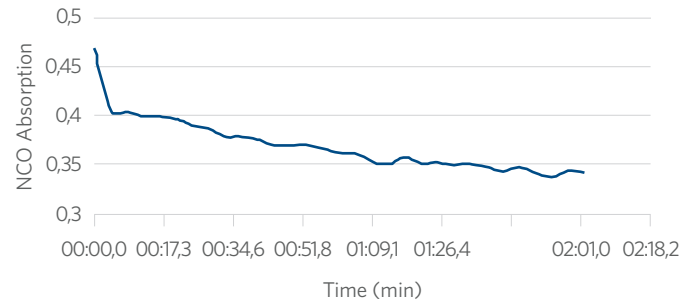
Additive TI <sup>™</sup>	
<b>Focus</b>	Dehydration of raw materials such as pigments, fillers, and solvents
<b>Content</b>	100% active content, transparent liquid, low viscous highly reactive
<b>Dosage</b>	12 g Additive TI <sup>™</sup> is needed to react with 1 g water.
<b>Comment</b>	<ul style="list-style-type: none"> <li>In practice, it is recommended to add 50 - 100% more Additive TI<sup>™</sup> as calculated to increase the storage stability</li> <li>Processing period of about 24 hours</li> <li>Do not add to the polyol component, it will react with alcohols/primary amines</li> </ul>

**Helps prevent moisture-related problems such as gloss reduction, haze, and foam building**

### Chemical reaction with water



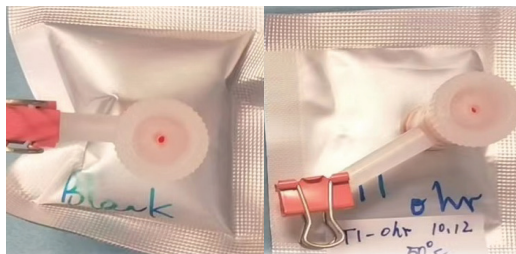
### Very fast reaction (minutes)



– Additive TI<sup>™</sup>

### Helps prevent moisture-related defects by reducing moisture in storage and final application

#### Storage



Without Additive TI<sup>™</sup>

Additive TI<sup>™</sup>

#### Final application



Without Additive TI<sup>™</sup>

Additive TI<sup>™</sup>

Gassing test in isocyanate component (2.4% water) stored at 23°C for 1 month

# Package Stabilizer for Long-Term Dehydration

## Additive OF

for Solventborne 1K and 2K Polyurethane Systems

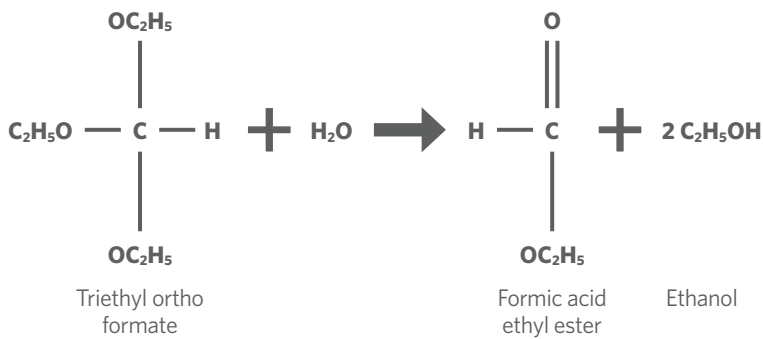
Helps prevent moisture-related problems such as gloss reduction, haze, and foam building

Additive OF	
<b>Focus</b>	Long-term dehydration
<b>Content</b>	100% active content, transparent liquid, low viscous
<b>Dosage</b>	9 g Additive OF is needed for reaction with 1 g water
<b>Comment</b>	In practice, dosage of 0.5 - 1.0% is recommended for storage stability

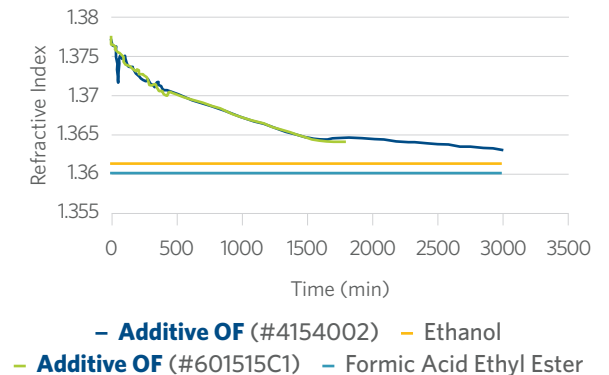
### Characteristics

- Easy handling
- No gassing
- Can add directly to the polyol or isocyanate component
- Also works as dehydrating additive in polyols (low reactivity)
- Evaporates solvents fast
- Non-toxic reaction

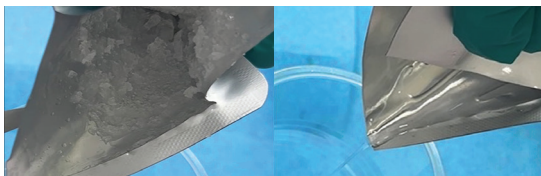
### Chemical reaction with water



### Slow reaction (hours)



### Improved long-term stability



Without Additive OF

Additive OF

Isocyanate hardener component (0.4% water) stored at 23°C for 4 months

Use Additive TI<sup>™</sup> and Additive OF together for best long-term stability and to quickly remove moisture



For more information, please reach us at [borchers.com/contact](http://borchers.com/contact)

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing. Borchers is a trademark of Borchers Americas.

TIOF-11.19.24

Milliken