



TOYOCAT-TF is a chemically blocked delayed action catalyst system for the production of polyurethane foams. TOYOCAT-TF is a blend based on Triethylenediamine (TEDA) and utilize various organic acids as delaying agents.

### 1. Characteristics

- \* TOYOCAT-TF exhibits excellent retarding effect and high catalytic activity for isocyanate-polyol reactions.
- \* When used in applications for complex large mold, TOYOCAT-TF exhibits not only excellent foam flowability, but also fast curing functions.
- \* TOYOCAT-TF can be used for both flexible and rigid foam.

### 2. Typical Properties

Appearance	Yellowish clear liquid
Specific Gravity $D_{20}^{20}$	1.06
Water Content (%)	< 1.0
Solubility in Water	
Freezing Point ( )	< -5
Flash Point ( ) [C.O.C]	116
Viscosity (mPa s) (at 25 )	186
Calculated OH number (mgKOH/g)	659

### 3. Toxicity

Oral (rat) LD <sub>50</sub>	3110 mg/kg
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### 4. Handling and Storing

This product has a low vapor pressure and toxicity, however handling in well ventilated area is recommended.

When this product comes into direct contact with the eyes or skin, inflammation will occur. Wearing protective gear or applying protective cream is most effective when handling. In the event that contact is made with the eyes or skin, wash immediately with large amount of water. If the eyes are affected, seek medical attention after washing. This product may turn slightly darker when stored over long periods of time. However, catalytic activity will not be affected.

## 5 Shipping information

Net weight

Packaging	kg	1b
Drum (200L)	200	440
(20L)	18	40

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## TOSOH CORPORATION

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