



### 1. Characteristics

- \* TOYOCAT-F series are strong gelling catalysts, which improve foam curing functions.
- \* TOYOCAT-F series produce excellent rigid foam properties in systems formulated with high water content and reduced CFC level.
- \* TOYOCAT-F remarkably improve surface friability and curing speed of rigid foam production.

### 2. Typical Properties

	<b>F83</b>	<b>F94</b>
Appearance	Yellowish clear liquid	Yellowish clear liquid
Specific Gravity D <sub>20</sub>	1.00	1.00
Water Content(%)	< 1.0	< 0.5
Solubility in Water		
Freezing Point ( )	< -10	< -7
Flash Point ( )	90 (C.O.C)	76 (T.C.C)
Viscosity (mPa s)(at 25 )	15	3
OH Value	475	0

### 3. Toxicity

Oral (rat) LD <sub>50</sub>	1098	1090
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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	F83	F94
Drum (200L)	190kg (418 1b)	190 (418)
(20L)	20 (44)	20 (44)

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