



Amine Catalysts for Polyurethane Foam

TOYOCAT-MR

1. Characteristics

- * TOYOCAT-MR is a strong gelling catalyst which is not temperature dependent for its relative activities.
- * TOYOCAT-MR is widely used in rigid systems where it improves flow, dimensional stability and cure speed.
- * TOYOCAT-MR is recommended for rigid, HR and elastomer urethane systems.

2. Typical Properties

Appearance	Colorless clear liquid
Specific Gravity D_{20}^{20}	0.80
Water Content (%)	< 0.5
Solubility in Water (at 20 °C)	40 wt%
Freezing Point (°C)	< -70
Flash Point (°C) [C.O.C]	81
Viscosity (mPa s) (at 25 °C)	1
Calculated OH number (mgKOH/g)	0

3. Toxicity

Oral (rat) LD ₅₀	720 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)	160	352
(20L)	15	33

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