



Amine Catalysts for Polyurethane Foam

TOYOCAT-HX63 & HX70

1. Characteristics

- * TOYOCAT-HX63, 70 are well balanced blowing / gelling catalysts in polyurethane foam applications.
- * TOYOCAT-HX63, 70 are designed specifically to provide excellent moldability and improved cure of foam in semi-rigid foam.
- * TOYOCAT-HX63, 70 are effective in reducing PVC discoloration for automotive parts production.
- * TOYOCAT-HX63, 70 are also useful for packaging, flexible slab and HR polyurethane foam products.

2. Typical Properties

	HX63	HX70
Appearance	Yellowish clear liquid	Yellowish clear liquid
Specific Gravity D_{20}^{20}	0.94	0.97
Water Content (%)	< 0.5	< 0.5
Solubility in Water		
Freezing Point ()	< -10	< -10
Flash Point ()	35 [T.C.C.]	107 [C.O.C.]
Viscosity (mPa s)(at 25)	7.5	50
Calculated OH number (mgKOH/g)	550	257

3. Toxicity

Oral (rat) LD ₅₀ (mg/kg)	2658	3314
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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	HX63	HX70
Drum (200L)	180kg (396 1b)	190kg (418 1b)
(20L)	18kg (37 1b)	18kg (40 1b)

TOSOH CORPORATION

CORPORATE OFFICE:	TOSOH CORPORATION Organic Chemicals Division Shiba-koen First Building, 3-8-2 Shiba, Minato-ku, Tokyo 105-8623, Japan Phone: 81-3-5427-5164 Fax: 81-3-5427-5215 E-mail: fc_amine@tosoh.co.jp
EUROPE OFFICE:	TOSOH EUROPE B.V. Crown Building-South, Hullenbergweg 359, 1101 CP Amsterdam Z.O., The Netherlands Phone: 31-20-5650010 Fax: 31-20-6915458 E-mail: tosoh@tosoheur.com
USA OFFICE:	TOSOH USA, INC. Suite 600, 1100 Circle 75 Parkway, Atlanta, Georgia 30339-3097, U.S.A. Phone: 1-770-956-1100 Fax: 1-770-956-7368 E-mail: info@tosohusa.com
SINGAPORE OFFICE:	TOSOH FINE CHEMICALS PTE., LTD. 133 Cecil Street #15-01, Keck Seng Tower, Singapore 069535 Phone: 65-226-5106 Fax: 65-226-5215 E-mail: tfccah@cyberway.com.sg

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