



1. Characteristics

- * TOYOCAT-ET exhibits extremely strong catalytic activity for isocyanate-water reactions, and is excellent for producing flexible polyurethane foam products.
- * TOYOCAT-ET also exhibits high catalytic activity for isocyanate-polyol reactions, along with good compatibility. It therefore produces foam with fine and uniform cell structures.
- * TOYOCAT-ET can be used for both flexible and rigid foam systems.
- * TOYOCAT-ETS is a purified version of ET which contains no polyol solvent carrier.

2. Typical Properties

| | |
|--------------------------------|------------------------|
| Appearance | Colorless clear liquid |
| Specific Gravity D_{20}^{20} | 0.902 |
| Water Content (%) | < 1.0 |
| Solubility in Water | |
| Freezing Point () | < -80 |
| Flash Point () [C.O.C] | 80 |
| Viscosity (mPa s) | 5 (at 25) |
| Calculated OH number (mgKOH/g) | 251 |

3. Toxicity

| | |
|-----------------------------|------------|
| Oral (rat) LD ₅₀ | 1814 mg/kg |
|-----------------------------|------------|

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) | 170 | 374 |
| (20L) | 17 | 37 |

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

Visit us at www.tosoh.com!