

Coscat® 83
Technical Data Sheet



Product Identification

Coscat® 83 catalyst is a proprietary organobismuth compound that was specifically developed as a catalyst for two component polyurethane systems. Coscat® 83 catalyst is recommended for a wide range of elastomeric systems where reduced catalyst toxicity is desirable. Coscat® 83 catalyst provides a reduced toxicity alternative to organo-metallic carboxylates based on lead, mercury or tin without sacrificing performance.

Coscat® 83 catalyst can produce fast gelling systems, however, in soft to medium hardness systems the final stage of cure can lag resulting in surface tack. The addition of Coscat® Z-22 can reduce this lag in final cure, yielding a stronger final cure typical of a mercurial catalyst. We recommend that the Coscat® Z-22 be added with the Coscat® 83 catalyst at a blend ratio of 1:1 by weight.

	Property	Value
Physical Properties	Active Ingredient	100%
	Appearance	Clear, liquid
	Color	2
	Density, lbs./gal, 25°C	9.24
	Metal Content	16
	Refractive Index @ 25°C	1.470
	Specific Gravity @ 25°C/25°C	1.11

Applications

- Slow to moderate speed catalyst for polyurethane coatings, elastomers and casting compounds
- Does not foam in the presence of low levels of moisture
- Produces clear castings
- Urethane Intermediates, Polymers
- Chemical Intermediates

For toxicity or regulatory information please consult the Material Safety Data Sheet.

Information contained in this technical data sheet is believed to be accurate. Vertellus Performance Materials Inc. assumes no liability and makes no warranty or representation that the information is correct or complete and EXPRESSLY DISCLAIMS ALL REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Final determination of suitability of any material and issues of patent infringement is the sole responsibility of the user who alone knows the conditions of intended use. Our customers should ensure that any product incorporating a Vertellus ingredient is safe for its intended use pursuant to applicable law and that any necessary disclosures to consumers have been made.

Vertellus Performance Materials Inc., 2110 High Point Road, Greensboro, NC 27403 USA
 USA Tel: 800-227-2436 USA Fax: 336-854-4058 USA Email: VPM-TechServices@vertellus.com
 Web: www.vertellus.com