Shepherd

CREATING VALUE THAT BRIGHTENS LIVES

Polyurethanes

- High Activity
- Sustainable Chemistry
- Low Toxicity





Shepherd Chemical is at the forefront of innovation in the polyurethanes industry, providing specialized metal chemistry solutions that enhance the performance and versatility of polyurethane products.

Performance Capabilities

Multiple products to control for:

- Cream time
- Gel time
- Tack-free time

Award Winning Innovation

Our patented BiCAT® 8840 exhibits **hydrolytic stability**, compatibility with HFO blowing agents, fast cure rates, stable foam structures, reduced VOCs, and impressive shelf life extending up to 15 months.

Sustainable Chemistry

The shift away from tin-based catalysts in polyurethane applications is driven by health, environmental, and regulatory concerns.
As a result, the industry is moving towards safer and more sustainable alternatives such as:

— Zinc-Based Catalysts: gaining popularity due to their lower toxicity and effective catalytic properties. They are used in various polyurethane applications, including coatings and foams.

— Bismuth-Based Catalysts: offer a good balance between performance and environmental safety. They are effective in reducing isocyanate emissions and are used in both flexible and rigid polyurethane foams.

>50%

Custom Co-Development & Tailored Innovation

A defining strength of Shepherd Chemical is our ability to co-develop materials with our customers.

Key Metal Chemistries

METAL	LIGAND
Bismuth	Octoate
Zinc	Neodecanoate
Nickel	Acetylacetonate
Chromium	
Cobalt	
Potasium	

- BICAT 8
- BICAT 8106
- BICAT 8108
- BICAT 8118
- BICAT 8210
- BICAT V
- BICAT Z
- BICAT N
- BICAT 3228
- BICAT 8840

Your next breakthrough formulation starts here!

CONTACT US

WWW.SHEPCHEM.COM