Shepherd

CREATING VALUE THAT BRIGHTENS LIVES



Catalysts

Products that enhance efficiency, selectivity and longevity of catalytic processes

Shepherd Chemical is a leader in providing high-quality metal chemistry solutions for the catalyst industry, addressing the diverse needs of various applications. The metal-based catalysts and catalyst precursors enhance the efficiency, selectivity, and longevity of catalytic processes. Our precisely controlled precipitation technology and expertise allows us to fine-tune the particle microstructure, meeting specifications in surface area, particle size and density.

Heterogeneous & Homogeneous Catalysts



Shepherd offers heterogeneous and homogeneous catalysts for applications ranging from industrial coatings, polyurethane systems, elastomers, acrylonitrile & methacrylate production, and unsaturated polyester resins. The products include polymerization catalysts, refinery catalysts, and BYD catalysts.

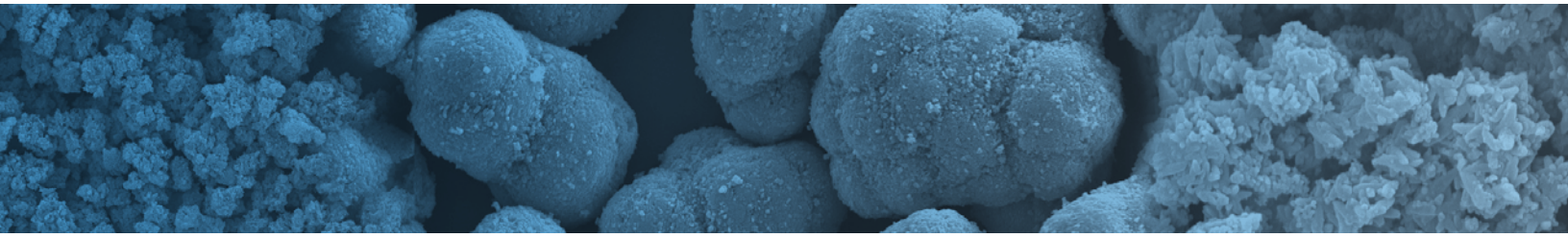
PRODUCT LIST

Carboxylate chemistry includes metals such as:

Bismuth
Cerium
Chromium
Cobalt
Molybdenum
Nickel
Zinc

Inorganic catalysts include:

Spherical Copper Carbonate XL
High purity metal nitrates
Chromium Acetate



Advancing Next-Generation Catalyst Technologies

Shepherd continues to advance next-generation catalyst technologies by:

- using more accessible metals chemistries such as copper, providing alternatives to precious metals
- significantly improving rare earth metal processing, leading to more on-shoring opportunities





By co-authoring the latest revision of the comprehensive *Copper Compounds* article in the Kirk-Othmer Encyclopedia of Chemical Technology, we demonstrate our ongoing commitment to advancing the understanding and application of specialty metal chemistry.

The publication provides a comprehensive overview of copper compounds, detailing their synthesis, properties, analytical methods, and diverse industrial applications—from catalysis and energy to agriculture & environmental technologies.

>50%

Custom Co-Development & Tailored Innovation

Every application requires the right catalyst. With our custom co-development approach, we help you identify and develop the catalyst solution that best fits your process and performance goals.

Whether you are developing new catalysts or enhancing existing formulations, Shepherd Chemical is your trusted partner for metal chemistry solutions.

Together, we can drive innovation and achieve excellence in your catalytic processes.

CONTACT US

WWW.SHEPCHEM.COM