

Founded in 1916

with 4 locations on 3 continents



through 5 generations



we've grown to  
**200+**

Employees across the  
U.S.A., Europe  
& Asia

## Sustainability

Shepherd recognizes our responsibility to be good stewards of the earth's resources and contribute to the long-term success and wellbeing of our team, our community, and the environment.

Our actions include conscientious sourcing for sustainable metal chemistry, minimizing waste, and optimizing resource use through recycling, energy & water conservation.



conserve — protect — contribute

The foundation of our  
metal expertise:



Shepherd adds value to over 8 million pounds of bismuth, iron, nickel, cobalt & copper each year

# Markets & Chemistries

## CATALYSTS

- Cerium Octoate
- Cobalt Carboxylates
- Metal Nitrate Solutions
- Spherical Copper Carbonate
- Zinc Carboxylates

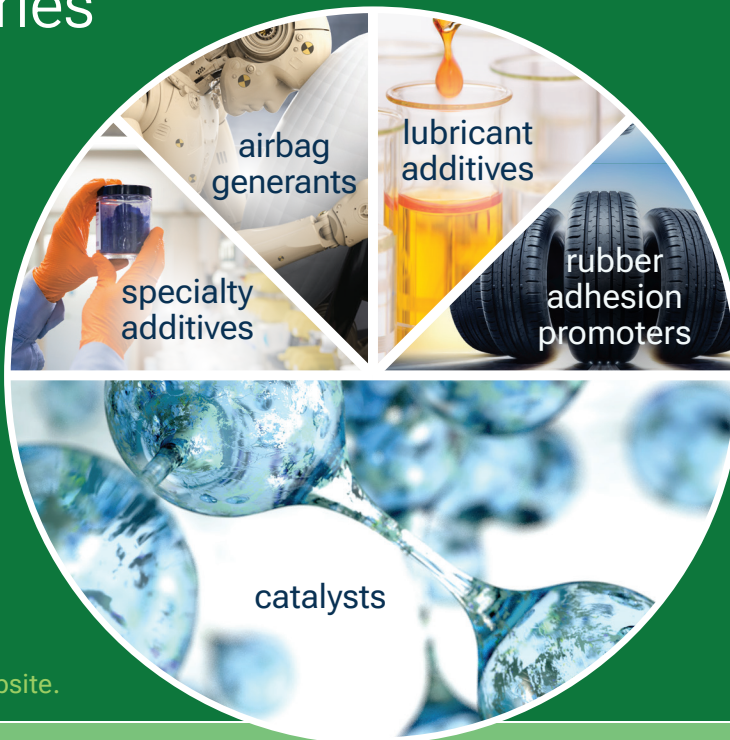
## LUBE ADDITIVES

- Bismuth Carboxylates
- Functionalized Polymers

## COSMETIC INGREDIENTS & SPECIALTY ADDITIVES

- Bismuth Subcarbonate
- Manganese Acetate

For a comprehensive list, please visit our website.



### METAL-BASED CHEMISTRY

including our expertise in handling and transforming a wide range of metals

### POLYMER FUNCTIONALIZATION

enabling us to tailor polymers for specific performance requirements

### PRODUCTION SYSTEMS

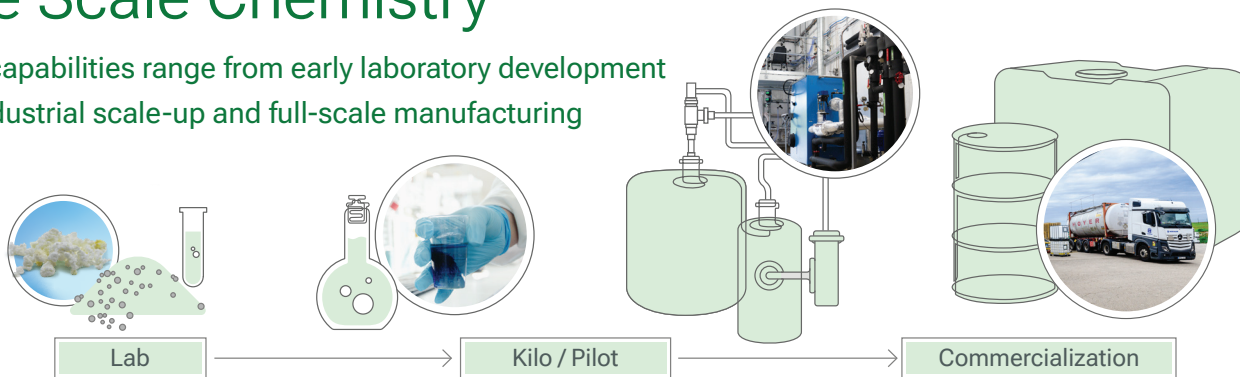
designed for tight process control and batch to batch consistency

### ADVANCED ANALYTICAL CAPABILITIES

such as GC, ICP, FTIR, NMR, titration, etc. to support development & QC

## We Scale Chemistry

Our capabilities range from early laboratory development to industrial scale-up and full-scale manufacturing



>50% of our portfolio has been custom co-developed

- We tackle process, scale, and production challenges so you can focus on value creation
- Technologies positioned for emerging markets & fast-growing trends
- Chemistries for regulatory, sustainability, & supply-chain challenges
- Custom formulation or adaptation of chemistry to overcome application challenges