

Shepherd Capabilities

METAL-BASED CHEMISTRY

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

POLYMERIZATION

reactions, supported by outstanding production assets

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, titration, etc. to support development and QC

Shepherd produces over 4,000 MT of organic compounds annually.

CATALYSIS:

nickel carboxylates,
chromium carboxylates
bismuth carboxylates

LUBRICANT ADDITIVES:

bismuth carboxylates
zinc carboxylates
functionalized polymers
molybdenum/titanium/
boron-based salts

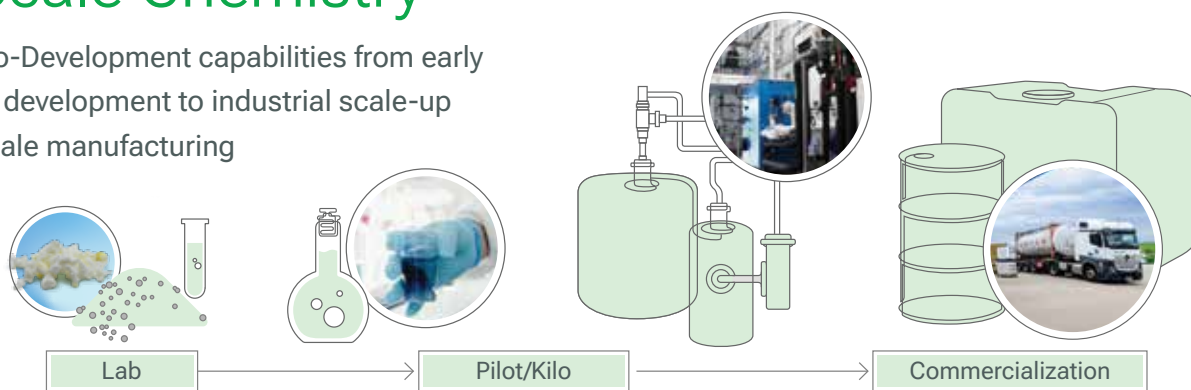
COSMETIC INGREDIENTS & SPECIALTY ADDITIVES:

zinc carboxylates



We Scale Chemistry

Custom Co-Development capabilities from early laboratory development to industrial scale-up and full-scale manufacturing



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

- Alternative chemistry for regulatory or supply chain challenges
- Changes or restrictions to current product status or availability
- Designing or adapting chemistry to overcome application challenges
- New ingredients for advanced product performance
- New technology for emerging markets and trends
- Sustainability