



Chemistry Made for What Matters



ASCENSUS™



Callery, Wychem, & Strem have joined Ascensus to bring you a broad portfolio of chemicals for **R&D to Commercial Scale**

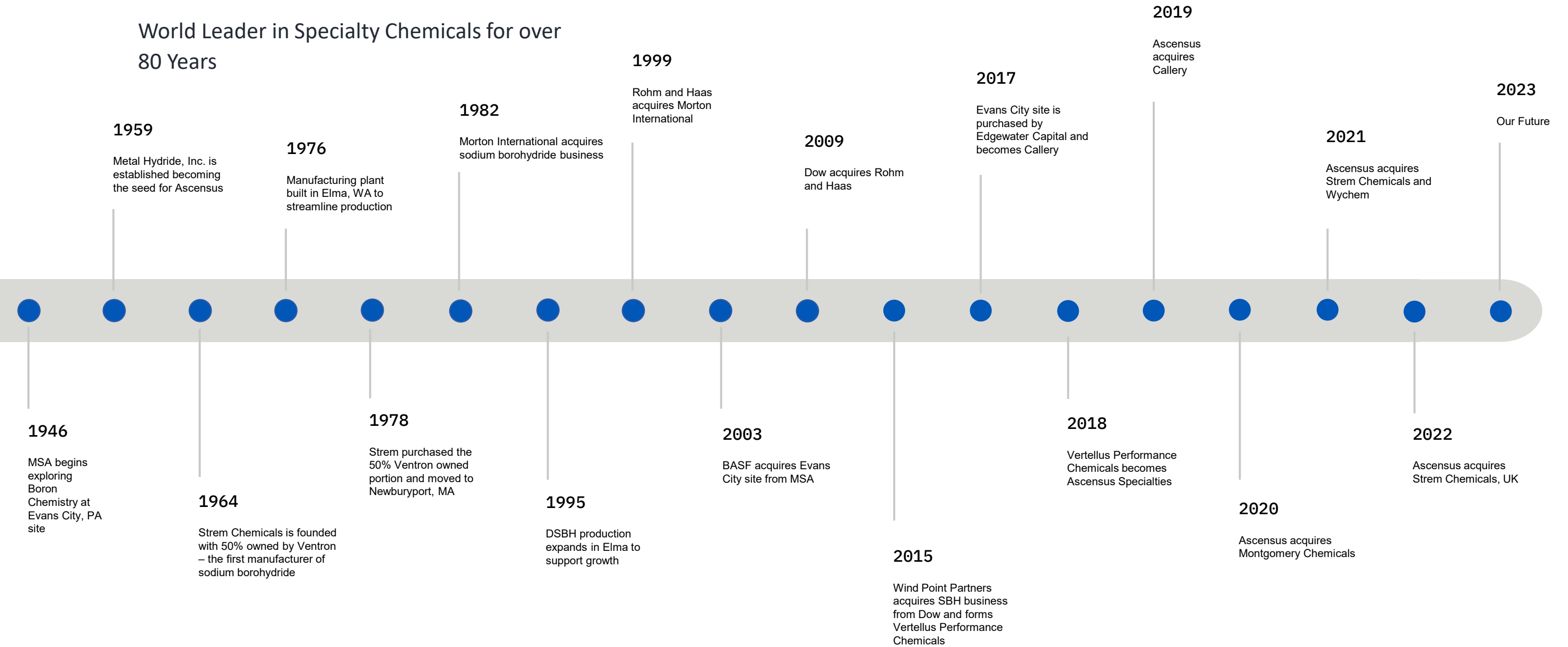
- Borohydrides
- APIs & Intermediates
- Boranes
- Specialty Alcoholates

- 6000+ Specialty Chemicals
- Thin Film Deposition
- Catalysis
- Fine Chemicals



Ascensus History

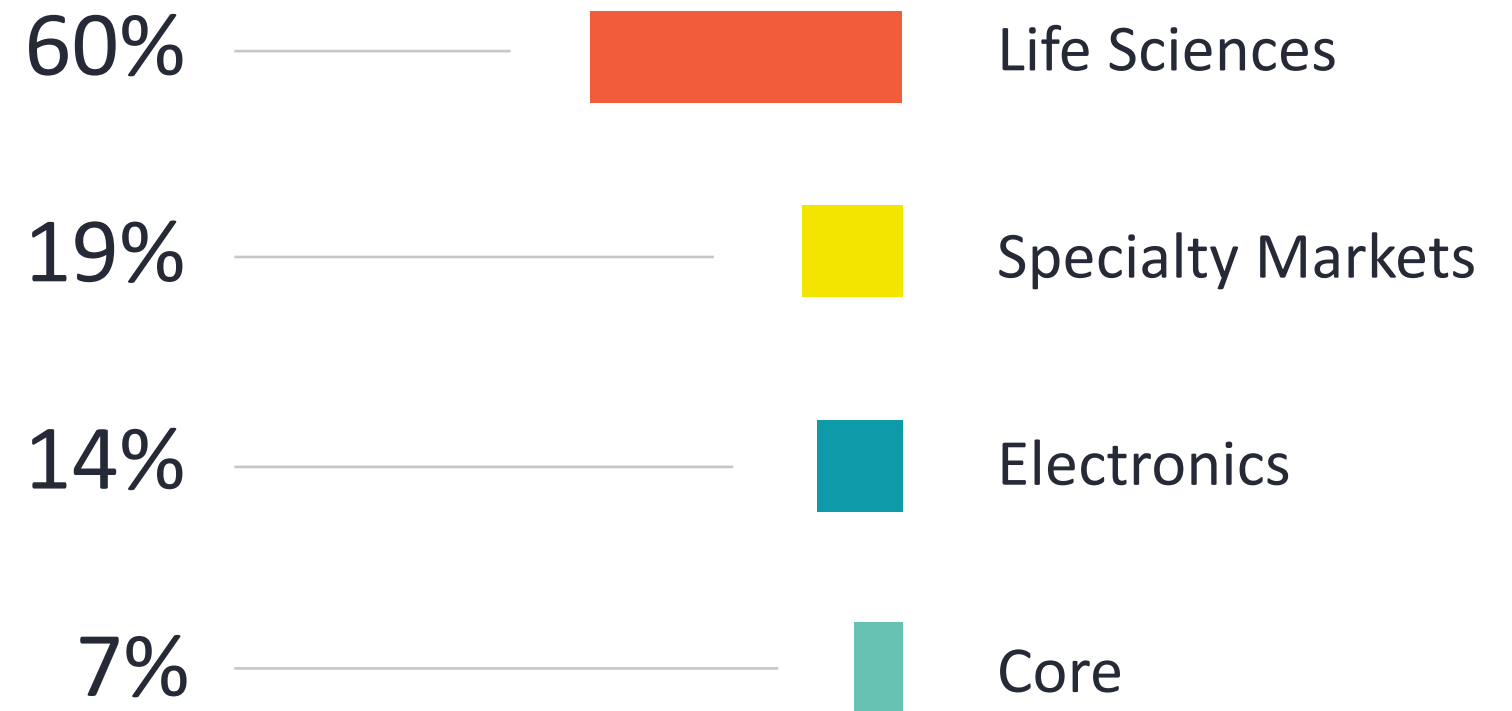
World Leader in Specialty Chemicals for over 80 Years



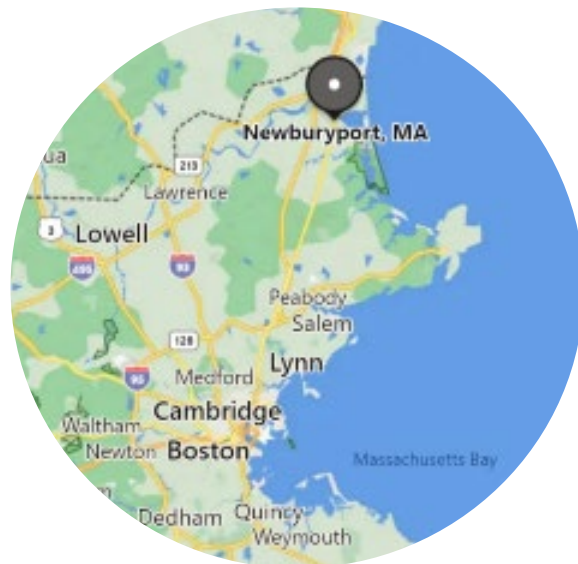
Ascensus At-A-Glance

Our specialty chemistries improve the way clients create their products by making what they do easier, more efficient, safer and more selective. We have a global reach that ensures our customers can consistently manufacture their products to the highest standards so they can make the best possible products to change people's lives for the making the world a better place through [Chemistry Made for What Matters](#).

- HQ in Bellevue, WA
- 300+ employees worldwide
- 4 Manufacturing locations
 - Newburyport, MA
 - Evans City, PA
 - Elma, WA
 - Cambridge, UK
- 5 Target Markets
 - Life Science
 - Electronics
 - Specialty Chemicals
 - Core
 - Catalog

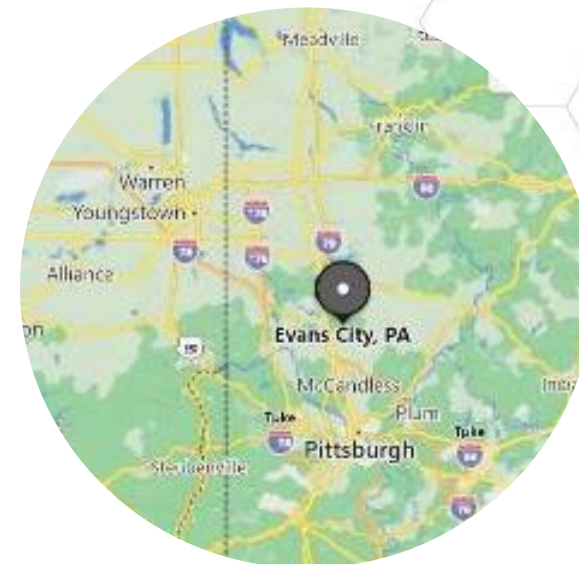


Manufacturing Locations & Capabilities



Newburyport, MA, USA

- 40 miles from Boston
- Catalysts, ligands, specialty chemicals
- GMP and custom synthesis
- 10s to 100s of KGs capacity



Evans City, PA, USA

- 30 miles from Pittsburgh
- Ascensus production: alcoholates and boranes
- R&D
- Up to 1000s of MTs capacity



Elma, WA, USA

- 90 miles from Seattle
- Ascensus production: NaBH_4 and TMB
- 10,000+ MTs capacity



Cambridge, England, UK

- 30 miles from London
- Aromatic building blocks for APIs
- Custom synthesis
- 10s of MTs capacity



Market Overview

Life Science

Pharmaceutical
Agrochemical
Nutraceuticals
Veterinary
Fine Chemicals
GMP API
Custom Synthesis

Bulk
Reagents/Building
Blocks

Electronics

CVD/ALD Precursors
OLEDs/LCD
Electroless Metal
Plating
Cylinder/Bubbler
Filling & Cleaning

Precious Metal
Recovery

Specialty

Surfactants
Tissue
Petrochemicals
Coatings &
Adhesives

Core

Newsprint &
Magazine

Packaging

Pulp & Paper

Catalog

6000+ Products Covering:
Catalysts/Ligands
Academic Research
Microelectronics
Pharmaceuticals
Petrochemicals
Specialty Chemicals



OUR PRODUCTS



OUR PRODUCTS

Borohydrides

Boranes

Specialty Alcoholates

Thin Film Deposition

Other Specialty Chemicals



Fine Chemicals & Intermediates

Strem Catalog

APIs

Catalysis



OUR COMMITMENT TO YOU



High Purity/High Quality

Consistent, high-quality chemicals guarantee you can make the best possible products. Our products are high purity, typically 99%, with some at 99.9999% metals purity.

Downpack

Experience in handling hazardous and sensitive materials allows for ease of packing small quantities in a variety of containers such as bottles, ampoules, cylinders, and bubblers.

Reliable Global Supply

An expanded global supply network builds on world class service and reliability to guarantee the safe, secure & timely delivery of orders .

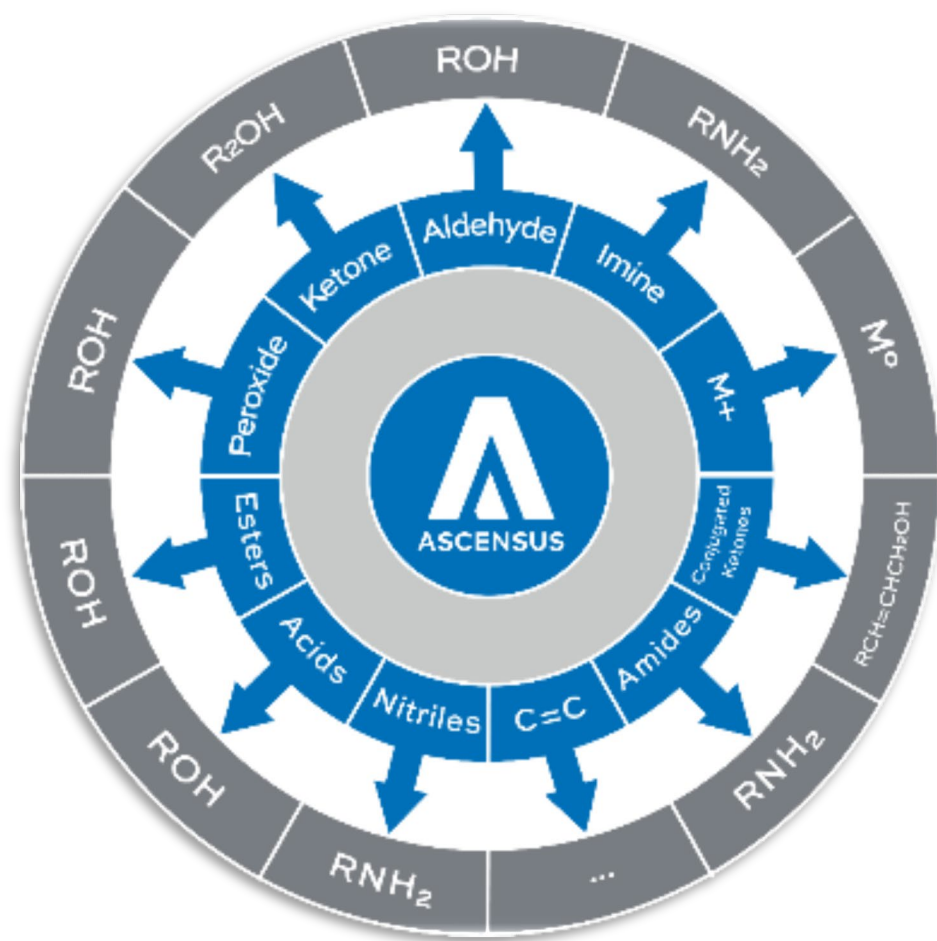
Customer Focused Service & Technical Support

Our goal is to provide a positive experience by addressing any concerns or challenges through quick and thorough responses from our knowledgeable customer service. Through our ChemStewards program, we provide on-site customer training working directly with your team to keep your operations and people safe.



Boranes and Borohydrides

Unlimited Reductive Transformations



Borane Complexes

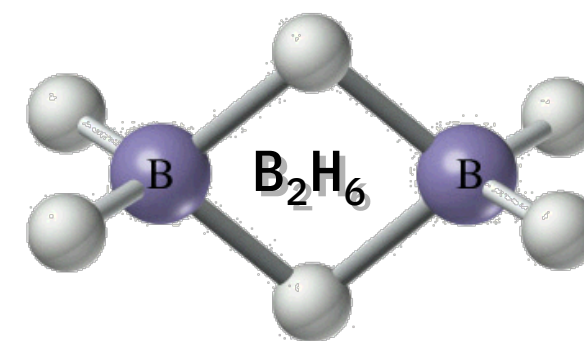
Ether-BH₃
Sulfide-BH₃
Amine-BH₃

Chiral Reagents

MeCBS
DPC

Organoboranes

TEB
MDEB
CALSELECT[®]



Reductive Amination

CALSELECT[®] STAB
PEMB

Borohydrides

NaBH₄
CALSELECT[™]
LiBH₄

Suzuki Reagents

9-BBN
Pinacol Borane
PINBOP
TMB

- ROH and RNH₂: desired products in reductive transformations
- Suzuki reagents: boranes critical in C-C bond formation

Specialty Alcoholates

Unlimited Range of Base Strengths, Solvents and Solubilities

Standard Alcoholates

LiOMe KOMe
NaOEt KOEt

Higher Alcoholates

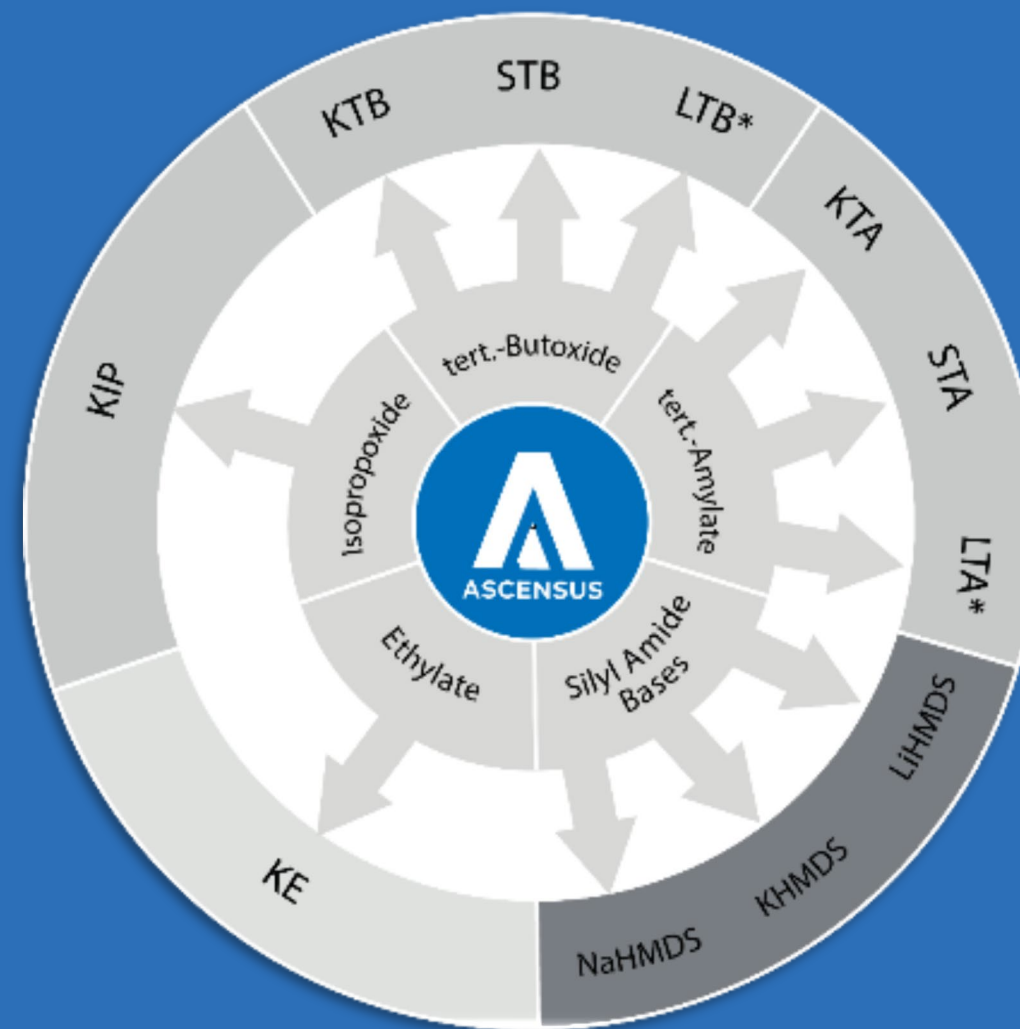
KTB STB
KTA STA
LTB LTA

Li, Na
K Bases

Strong Bases

NaHMDS LiHMDS KHMDS

Custom Alcoholates Solvents Concentrations



Relatively Inexpensive

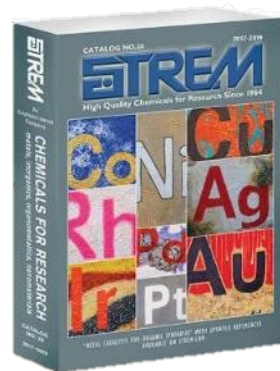


Increased Selectivity & Solubility



Highly Selective (Specific)





R&D Specialty Chemicals

Over 6000 high-quality chemicals with an emphasis on metals, inorganics, organometallics, and nanomaterials. The Strem Catalog works with researchers from R&D to commercial scale to deliver advanced products that drive innovative technology for future applications.

Life Science

Catalysts

Ligands

Photocatalysts

Biocatalysts

Screening Kits

Microelectronics

CVD/ALD Precursors

Metal Carbonyls

Bubblers & Cylinders

Cleaning & Filling Services

Specialty

- Nanomaterials
- Graphene
- Quantum Dots
- Metal Organic Frameworks (MOFs)

