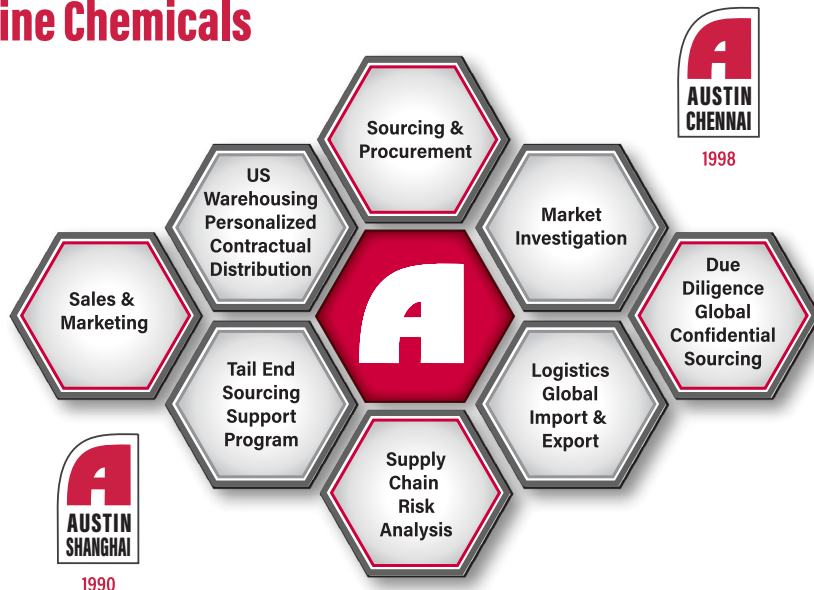


## Fine Chemicals



## Specialty Packed Processing Solvents

Available in 18-20 L quantities

ACETONITRILE	75-05-8
N,N-DIMETHYLACETAMIDE	127-19-5
2-METHYLTetrahydrofuran	96-47-9
2-AMINOETHANOL, REAGENT (ACS)	141-43-5
n-PENTANE, REAGENT	109-66-0
2,4-PENTANEDIONE, 99%	123-54-6
ACETIC ACID, GLACIAL, REAGENT (ACS)	64-19-7
ACETONE, REAGENT (ACS)	67-64-1
DICHLOROMETHANE, REAGENT (ACS)	75-09-2
GLYCERIN, REAGENT (ACS)	56-81-5
HEXANES, REAGENT (ACS)	110-54-3
ISOPROPYL ALCOHOL	67-63-0
ISOPROPYL ALCOHOL, REAGENT (ACS)	67-63-0
METHYL ALCOHOL, REAGENT (ACS)	67-56-1
METHYL SULFOXIDE, REAGENT (ACS)	67-68-5
Tetrahydrofuran, REAGENT (ACS)	109-99-9
TOLUENE, REAGENT (ACS)	108-88-3
WATER, HPLC, (DEIONIZED)	7732-18-5

## Products and Technologies

Metallocenes	Vinyl Phosphonic Acid (VPA)	Symeres	Boron Molecular	Nanomaterials	Colors and Chemicals
<p>Air sensitive packaging n-Butyl Lithium</p>	<ul style="list-style-type: none"> <li>Adhesion Promoter</li> <li>Flame Retardant Properties</li> <li>Metal Complexation properties</li> <li>Dispersing Benefits</li> </ul>	<ul style="list-style-type: none"> <li>Novel OLED's</li> <li>Green PTA, PET &amp; FDCA</li> <li>Conductive Thiophenes</li> </ul>	<ul style="list-style-type: none"> <li>Boronic acids</li> <li>Free Radical and Anionic Polymerization</li> <li>Raft Agents</li> <li>Aluminum Fumarate (MOF)</li> <li>Polymer Synthesis 5L to 600L</li> <li>Continuous and Batch Polymerization</li> </ul>	<ul style="list-style-type: none"> <li>Graphene</li> <li>Graphene Oxide</li> <li>Carbon Nanotubes</li> <li>Metallic Nanoparticles</li> <li>Dispersions</li> </ul>	<ul style="list-style-type: none"> <li>Brighteners</li> <li>Absorbers</li> <li>Dyes</li> <li>Fluorescent</li> <li>Soluble</li> <li>Acid Reactive</li> </ul> <ul style="list-style-type: none"> <li>Metal</li> <li>Complex</li> <li>Pigments</li> </ul>
Silanes & Siloxanes	MSA/MSC	Catalyst Offerings	Flow Chemistry	Specialty Products	Sustainability
<p>Hexamethyldisilazane Hexamethyldisiloxane Me<sub>3</sub>SiCl, Me<sub>2</sub>SiCl<sub>2</sub>, MeSiCl<sub>3</sub> HSiCl<sub>3</sub>, SiCl<sub>4</sub>, MeHSiCl<sub>2</sub>, Me<sub>2</sub>HSiCl</p>	<ul style="list-style-type: none"> <li>Methanesulfonic Acid</li> <li>Methanesulfonyl Chloride</li> <li>Methanesulfonyl Reagent Quality</li> </ul>	<ul style="list-style-type: none"> <li>Ruthenium</li> <li>Diaryl Magnesium</li> <li>Organolithium</li> <li>Organosodium</li> <li>Organometallic Catalysts</li> <li>Phosphine, Carbene</li> <li>Precious Metal Recovery</li> <li>Metathesis</li> </ul>	<ul style="list-style-type: none"> <li>Phosgenation</li> <li>Ozonolysis</li> <li>Organometallic</li> <li>High Pressure</li> <li>Cryogenic</li> </ul>	<ul style="list-style-type: none"> <li>Dimethylimidazolidinone (DMI)</li> <li>Cyclopentyl Methyl Ether (CPME)</li> <li>Dimethyl Sulfoxide (DMSO)</li> <li>Propylene Carbonate</li> <li>High Purity ACS/Reagent Grade Acids (PPB,PPT) Metals</li> <li>Metalocene Catalyst</li> <li>—Au, Ag, Ir, Pd, Pt, Rh, Ru</li> <li>Perchlorates</li> </ul>	<ul style="list-style-type: none"> <li>Acetic acid</li> <li>n-butanol</li> <li>CPME</li> <li>Ethyl Acetate</li> </ul>

## CDMO/CMO and TPM

- Contract Manufacturing in Europe, Asia and North America
- Chlorination and continuous chlorination
- Halex-fluorinated aromatics
- Stand alone technology development center and analytical
- Custom Nanomaterials [Various morphologies]
- Carbonylation [USA]
- Hydrogenation 60ML 20L 350 psi [USA]
- Ozonolysis [USA]

## PR&D Analytical Resources

- Solid-state development, analytical testing, and intellectual property support
- Polymorph, Salt screening, and Cocrystal screening
- Material characterization of pharmaceuticals, Fine Chemicals, Inorganic Materials and reference standards
- Access to XPRD, TGA and DSC, Optical and Electron Microscopy, Particle Size Analyzers
- Drug discovery, development, and support for small molecules
- Specialist in Chiral Chemistry and Process R&D
- Small organic molecules and dye synthesis
- Food contact: NIAS and REACH compliance
- Experience with dyes, dichroic dyes, dye security, hair dyes, intermediates, electronics, and OLEDs