Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS
Experienced engineers and technicians on staff at our full-service, in-house repair center

IntraView™ REMOTE INSPECTION
Remotely inspect equipment before purchasing with our interactive website at www.Instraview.com

WE BUY USED EQUIPMENT
Sell your excess, underutilized, and idle used equipment
We also offer credit for buy-backs and trade-ins www.artisantg.com/WeBuyEquipment

LOOKING FOR MORE INFORMATION?
Visit us on the web at www.artisantg.com for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us:  (888) 88-SOURCE  |  sales@artisantg.com  |  www.artisantg.com
**Polymer Reagents**

**Electrophilic Activation**
- **Halogenation** (chlorination, bromination, iodination) → PS-Triphenylphosphine
- **Phenylether formation** (i.e. Mitsunobu reaction) → PS-Triphenylphosphine
- **Thioester active intermediate** → PS-Thiophenol
- **Alcohol activation** → PS-TsCl
- **Acid and sulfonyl chloride activation** → PS-DMAP

**Nucleophilic Activation**
- **Carbon-carbon bond formation** (e.g. Wittig reaction) → PS-Triphenylphosphine
- **Sulfonyl hydrazone formation** (e.g. Hurd-Mori thiazole synthesis) → PS-TsNHNH2

**Bases**
- **Basic quenching, neutralize ammonium salts** → MP-Carbonate
- **Strong tertiary amine base** (e.g. mesylate formation) → PS-DIEA
- **Tertiary amine base** (e.g. formation of amides, sulfonamides, carbamates) → PS-NMM

**Acids**
- **Acid quenching** → MP-TsOH, PS-DIEA HCl

**Catalysts**
- **Acids** → MP-TsOH
- **Acyl transfer** → PS-DMAP

**Coupling Agents**
- **Amide or ester formation** → PS-Carboblimide, PS-HOBt
- **Activated ester formation** → PS-Carboblimide
- **Protecting group transfer** → PS-HOBt
**Scavengers**

... for Electrophiles

<table>
<thead>
<tr>
<th>Which compound to scavenge?</th>
<th>Recommended Scavengers preferred scavengers in bold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonyls</td>
<td>PS-TsNHNH₂, PS-Trisamine</td>
</tr>
<tr>
<td>Alkylating agents</td>
<td>Alkyl halides, Mesylates, Tosylates, α-bromoesters, α-bromoketones</td>
</tr>
<tr>
<td>Acid chlorides</td>
<td>PS-Trisamine</td>
</tr>
<tr>
<td>Sulfonyl chlorides</td>
<td>PS-Trisamine, PS-DMAP, PS-NH₂</td>
</tr>
<tr>
<td>Isocyanates</td>
<td>PS-Trisamine</td>
</tr>
<tr>
<td>Epoxides</td>
<td>PS-Thiophenol</td>
</tr>
</tbody>
</table>

... for Nucleophiles

<table>
<thead>
<tr>
<th>Which compound to scavenge?</th>
<th>Recommended Scavengers preferred scavengers in bold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols</td>
<td>PS-TsCl-HL</td>
</tr>
<tr>
<td>Amines</td>
<td>PS-Isoyanate, MP-TsOH, PS-TsCl-HL</td>
</tr>
<tr>
<td>Hydrazines</td>
<td>PS-Benzaldehyde, PS-TsCl-HL</td>
</tr>
<tr>
<td>Active methylenes (e.g., keto esters)</td>
<td>PS-Benzaldehyde, PS-TsCl-HL</td>
</tr>
<tr>
<td>Thiols/Thiolates</td>
<td>PS-Isoyanate, PS-Thiophenol</td>
</tr>
<tr>
<td>Alkoxides</td>
<td>PS-TsCl-HL, PS-Isoyanate</td>
</tr>
<tr>
<td>Organometallics</td>
<td>PS-Benzaldehyde, PS-TsCl-HL</td>
</tr>
<tr>
<td>Reducing agents</td>
<td>PS-Benzaldehyde</td>
</tr>
<tr>
<td>Acids/Acidic phenols</td>
<td>HOBt Pentfluorophenol, 4-Nitrophenol, Carboxylic Acid Phenol, MP-Carbon ate PS-Trisamine</td>
</tr>
</tbody>
</table>
Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

• FAST SHIPPING AND DELIVERY
• TENS OF THOUSANDS OF IN- STOCK ITEMS
• EQUIPMENT DEMOS
• HUNDREDS OF MANUFACTURERS SUPPORTED
• LEASING/MONTHLY RENTALS
• ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS
Experienced engineers and technicians on staff at our full-service, in-house repair center

WE BUY USED EQUIPMENT
Sell your excess, underutilized, and idle used equipment
We also offer credit for buy-backs and trade-ins
www.artisantg.com/WeBuyEquipment

IntraView™ REMOTE INSPECTION
Remotely inspect equipment before purchasing with our interactive website at www.Instraview.com

LOOKING FOR MORE INFORMATION?
Visit us on the web at www.artisantg.com for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisantg.com | www.artisantg.com