



As a recognized industry leader in the development, manufacturing and commercialization of innovative silica gel products, and with multi-ton manufacturing capability, SiliCycle is your partner of choice for all your **metal removal**, **catalysis**, **synthesis**, and **purification** requirements.

SiliaMets®
Metal Scavengers



- No leaching: no API contamination
- High selectivity: total recovery of the API
- Very good metal affinity: efficient for a wide range of metal catalysts
- Solvent compatibility: can be used in any solvents (pH 2 to 12)
- Fast kinetic even at room temperature
 - Easily scalable
 - Thermally and mechanically stable
- Ease of use and flexible formats
 - Cost efficient: low cost per gram of metal scavenged
 - Available in large quantities (**multi-ton scale**)

SiliaCat®
Heterogeneous Catalysts



- Wide range of organic coupling and hydrogenation reactions (**Suzuki**, **Sonogashira**, **Heck**, and **Stille**)
- **SiliaCat** silica-supported catalysts for cleaner products and cleaner waste streams
 - Ideal for batch or flowthrough applications
- Cost efficient and highly stable
- Reusable and leach proof
- Available in sizes ranging from grams to multi-kilograms quantities

SiliaBond® C18
Chromatographic Phase



- Unmatched quality and performance
- Very highly hydrophobic C18 phase
 - A homogeneous functionalized layer
- A unique grafting method ensuring reproducible results
 - An unprecedented endcapping efficiency
- Incomparable lot-to-lot reproducibility
 - The quality of a monofunctional C18
 - Available in large quantities (**multi-ton scale**)

SiliaBond®
Functionalized Silica Gels



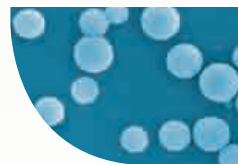
- Highly efficient and selective **metal scavengers**
- No leaching (chemical stability)
- Selective nucleophile and electrophile scavengers
 - High resolution chromatographic phases
- **Supported reagents** for organic synthesis
 - Thermally stable and microwave compatible
 - Available in large quantities (**multi-ton scale**)

SiliaFlash®
Irregular Silica Gels



- High purity irregular Gel
 - Tight particle size distribution
- Very low level of fines
- Neutral pH, low metal content, and controlled water level content
- Lot-to-lot reproducibility

SiliaSphere™
Spherical Silica Gels



- Very high purity & tight particle size distribution
 - Low metal content
- High mechanical stability
 - Wide choice of phases available (normal, reversed & specialty)

SiliaSep™
Flash Cartridges



- High resolution & reproducibility
- Ultra high performance cartridges available (**SiliaSep HP**)
- Compatible with all commercial systems
- Reversed and specialty phases available

SiliaPlate™
TLC Plates



- Analytical and preparative TLC plates
- Different sizes and choice of backings
- Normal, reversed and specialty phases

SiliaPrep™
Solid Phase Extraction



- **SiliaPrepX™** polymeric SPE (HLB, DVB, SCX, SAX, WCX & WAX)
 - Normal, reversed, fluorinated, ion exchange, and mixed-mode phases
- Certified & Specialty phases (scavengers, reagents, etc.)

SiliaChrom®
HPLC Columns



- Broad pH range (0,8-12,0)
 - High surface coverage
 - Wide variety of chemistries available
- Excellent column efficiency
 - Long column lifetime
 - Low bleed