



Graver Technologies

Filtration | Separation | Purification

## Ecosorb® C-945

Ecosorb® C-945 is a pharmaceutical grade, multi-functional purification media that combines adsorption and filterability into a single product. Ecosorb products utilize a proprietary method to affix fine particles of activated carbon onto an inert support. By combining the superior kinetics of fine particles with excellent flow characteristics, purification processes run longer and deliver better quality effluents than with standard treatment methods.

Ecosorb C-945 is recommended for the removal of precious metal catalyst, color and reaction contaminants from API's and intermediates. It has been effective in removing palladium compounds from various synthetic reaction mixtures. C-945 can be effectively used in batch, precoat, or deep bed modes of operation. The low hydraulic pressure drop of C-945 makes it ideal for use in precoat and single plate NEUTCHE filters with bed depths from 2.5 to 50 cm. The distinct advantages with these types of operations are that they eliminate carbon additions to the reactor, thus simplifying clean up, and in some cases, they greatly increase adsorption efficiencies and purity. When used in batch operations, Ecosorb C-945 provides reduced filtration times for reaction mixtures with significant amounts of solids and higher viscosities.

### Typical Properties

Appearance:	Free-flowing powder
Color:	Predominantly black with some white flecks
Functional Components:	Powdered Activated Carbon Proprietary Polymer Cellulose Fiber
pH:	5.0 – 7.0
Total Moisture:	< 10%
Permeability:	> 0.5 gpm/sq ft @ 20 psi

### Chemical compatibility

Do not use Ecosorb products with strong oxidizing agents such as nitric acid. Ecosorb Products are chemically stable with most organic solvents, including methanol, IPA, toluene, DCM, THF, and hexanes. Ecosorb products are stable at pH ranges of 1 – 13 for the majority of applications up to 24 hours.

**Heat of Adsorption:** When added to both polar and non-polar solvents, Ecosorb products, like many other adsorbents, will release heat energy. In deep bed and precoat applications temperatures can exceed the boiling point of certain solvents under some conditions. Contact Graver Technologies for more information.

**Shelf Life:** One year from date of Manufacture

**Packaging:** 44 lb (20 kg) drums/4 drums per pallet

### For more information

Graver Technologies Customer Service: **1-888-353-0303**

Outside the US: **1-302-731-3568** Fax: **1-302-369-0938**

Technical Support: **1-800-249-1990**

Outside the US: **1-302-731-1700**

E-mail us at **info@gravertech.com**

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