



Graver Technologies

Filtration

Separation

Purification

PRODUCT DATA SHEET

Ecosorb® C-905

Ecosorb® C-905 is a pharmaceutical grade, non-dusting, 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-905 is recommended for the removal of color and reaction contaminants from API's and intermediates. C-905 can be effectively used in batch, precoat, or deep bed modes of operation. The low hydraulic pressure drop of C-905 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, greatly increase adsorption efficiencies and purity. When used in batch operations, Ecosorb® provides reduced filtration times for reaction mixtures with significant amounts of solids and higher viscosities.

The dust-free nature of Ecosorb® C-905 greatly reduces housekeeping and product contamination concerns.

Typical Properties

Appearance:	Moist powder aggregates
Color:	Predominately black with some white flecks
Functional Components:	Powdered Activated Carbon Anion Exchange Resin Cellulose Fiber
pH:	6.0 – 8.0
Total Moisture:	60 ± 3%
Shelf Life:	Two Years from Date of Manufacture
Packaging:	Available in 30 lbs per bag; 40 bags per pallet

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 nonpolar 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.

For more information on Ecosorb® Multi-functional Adsorbent Media contact:

Graver Technologies Customer Service: **1-888-353-0303**
Technical Support: **1-800-249-1990**
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