



Graver Technologies

Filtration | Separation | Purification

Ecosorb® C-971

Ecosorb® C-971 is a pharmaceutical grade, non-dusting, multi-functional purification media that combines ion exchange capacity and filterability into a single product. Ecosorb products utilize a proprietary method to immobilize fine particles of ion exchange resin 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-971 is recommended for removing cationic contaminants from API's and intermediates. C-971 can be effectively used in batch, precoat, or deep bed modes of operation. The low hydraulic pressure drop of C-971 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 provides reduced filtration times for reaction mixtures with significant amounts of solids and higher viscosities.

The dust-free nature of Ecosorb C-971 greatly reduces housekeeping and product contamination concerns.

Typical Properties

Appearance:	Moist powder aggregates
Color:	Off-white
Functional Components:	Powdered Anion Exchange Resin (H form) Cellulose Fiber
Total Moisture:	60% ± 3%
Permeability:	minimum 40.7 lpm/sq m @0.7 bar @2.4 kg/sq m

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: 30 lbs per bag/40 bags 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**

www.gravertech.com

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Graver Technologies

200 Lake Drive
Glasgow,
DE 19702 U.S.A.

