



Filtration Separation Purification

PRODUCT DATA SHEET

Ecosorb® S-502

Ecosorb® S-502 is the next generation of Graver Technologies' S-Series high performance adsorbant products designed primarily for extensive color reduction. S-502 maintains the typical S-Series properties of a moist, non-dusting, multi-functional purification media that further enhances adsorption, filtration and ion exchange capacity into a single product. Ecosorb® products utilize a proprietary method to affix fine particles of adsorption media 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.

The high adsorption capacity of S-502 makes it extremely efficient for decolorization and for the elimination of objectional taste and odor compounds from a variety of food and beverage products. Typical applications include sugar processing, sugar alcohols, starch derived sweeteners and artificial sweeteners.

Ecosorb® S-502 can be used in a traditional slurry (batch or continuous) operation. When compared to earlier Ecosorb® S-Series products, up to 50% greater decolorization capacity with equivalent filter cycle life can be achieved. This further reduces solid waste generation, providing superior benefits when compared to the use of powder activated carbon (PAC).

Ecosorb® S-502 is also available as S-502RB, a heat treated version with reduced bioburden (yeast, mold, and bacteria).

Typical Properties

Appearance:	Moist powder aggregates
Color:	Predominately black with some white flecks
Functional Components:	Powdered Activated Carbon Anion Exchange Resin (Chloride Form) Cellulose Fiber
pH	5.0 – 8.0
Total Moisture:	60% ± 3%
Shelf Life:	S-502 – Two years from date of Manufacture S-502RB – One Year from Date of Manufacture
Packaging:	Available in 15 kgs (33 lbs); 60 bags per pallet

Ecosorb S-series raw materials comply with applicable food contact requirements

Ecosorb S-series products are Certified as Kosher and Pareve

Ecosorb S-series products are HALAL certified

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

Graver Technologies Customer Service: **1-800-533-6623**

Outside the US: **1-302-731-3516** Fax: **1-302-369-8396**

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

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

E-mail us at info@gravertech.com

www.gravertech.com

**200 Lake Drive
Glasgow
DE 19702 USA**

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Graver Technologies as to the effects of such use or the results to be obtained. Graver Technologies assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.