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## TECHNICAL DATA SHEET 875

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# Florisil®

## 100-200 Mesh

### DESCRIPTION

Florisil® is a highly selective adsorbent which has found extensive use in preparative and analytical chromatography. This adsorbent is unique because it is an extremely white, hard granular or powdered magnesia-silica gel. Frequently referred to as a magnesium silicate, Florisil® is a registered trademark of U.S. Silica Company.

### APPLICATIONS

Florisil® has become widely accepted in the field of chromatography for the separation and isolation of a variety of compounds.

Some of its principal applications are:

- General Column Chromatography
- Isolation of steroids, sex hormones and related compounds
- Cleanup of pesticide residues
- Isolation of antibiotics
- Separation of lipids
- Isolation of alkaloids
- Separation of nitrogen compounds from hydrocarbons
- Purification of pharmaceuticals
- Separation of aromatic compounds from aliphatic-aromatic mixtures
- Assay of vitamins
- Liquid partition chromatography
- Decolorization of oils, fats and waxes by percolation or contact treatment
- Use as a catalytic agent
- Thin layer chromatography

**TABLE 1**

Chemical Composition	
MgO	15.5 ± 0.5%
SiO <sub>2</sub>	84.0 ± 0.05%
Na <sub>2</sub> SO <sub>4</sub>	0.5% avg (1.0% max)

**TABLE 2**

Typical Physical Properties	
Color	White
pH	8.5
Surface Area, M <sup>2</sup> /g (BET Method)	298
Specific Gravity	2.51
Surface Acidity, pKa	approx. 1.5
Voids, %	26
Pores, %	56
Bulk Density	29 lbs./cu. ft.

### ORDERING INFORMATION

Cat. #	Description	Sizes
18319	Florisil® 100-200 Mesh	500g, 1kg, 20kg

### TO ORDER

<b>In The U.S. Call:</b>	<b>1(800) 523-2575 • (215) 343-6484</b>
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