



North America's  
leading producer  
of Ferrous Sulfate  
products



## Solu-Grade® Iron (Fe-20%)

### GENERAL

**Diamond Brand® Dried Ferrous Sulfate Heptahydrate (FeSO<sub>4</sub>•7H<sub>2</sub>O) Solu-Grade®** is derived from a co-product of the pickling of steel. Available only from our North Lima, OH plant, we segregate raw materials from a select group of steel pickling operations to assure the purest, lowest insoluble content, and brightest blue-green color for our Solu-Grade product. This makes Solu-Grade a premium ferrous sulfate and the obvious choice for applications such as liquid fertilizers where clarity of solution and low insolubles is required.

### APPLICATIONS

The agricultural, lawn and garden, and turf management industries use Diamond Brand Ferrous Sulfate to correct iron chlorosis or deficiencies in plants and soils, to eliminate moss, to reduce alkalinity, and as a trace element or micronutrient in fertilizers. In addition, it is used in the diets of swine, poultry and other animals as a feed supplement, to prevent anemia caused by iron deficiencies. Diamond Brand Ferrous Sulfate products are used as a reducing agent in the treatment of hazardous wastes and as a coagulant and flocculent in the treatment of sewage waste, industrial effluents, raw drinking water and other wastewater sources. In addition, it is used as a reducing agent in the removal of phosphates and odor causing hydrogen sulfide from various waste sources.



### PHYSICAL PROPERTIES

Dried Ferrous Sulfate Heptahydrate is free-flowing, has consistent iron, sulfur, water and oxygen contents, and goes into solution rapidly. It has the tendency to compact and/or cake (becomes hard) under various shipping and storage conditions, particularly in extremely hot environments that exceed 75° F. Therefore, it is difficult to predict a shelf life regarding caking.

#### Appearance

Blue-Green Crystalline  
Water-Soluble Salt

#### Bulk Density

65 lbs./Cu. Ft.

#### Sieve Analysis

95% -16 +100



# Solu-Grade® Iron

## CHEMICAL PROPERTIES

Iron.....	20% - 21%
Sulfur.....	12%
Oxygen .....	22%
Water .....	45%

## PACKAGING AND TRANSPORT NOTES

- 50 Lb. bags via truck or rail
- 2,000 Lb. bulk bags via truck or rail
- Bulk via truck or rail

## TRACE MATERIALS (MAXIMUM PPM)

Shipping Point	North Lima, OH
<b>Raw Material Source:</b>	<b>Steel Mill</b>
Arsenic	1
Cadmium	5
Chromium	30
Copper	15
Lead	17
Magnesium	127
Manganese	2,200
Nickel	121
Zinc	900

Diamond Brand Ferrous (Iron) Sulfate products are registered in Canada as a Pest Control Product (PCP) under the Canadian PCP Act.

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

Information regarding the contents and levels of metals in this product is available at [www.agr.wa.gov](http://www.agr.wa.gov).

[vlsci.com](http://vlsci.com) | 800.883.0010

Tomorrow's Science Delivering Today's Returns

\*Value insufficient to be claimed by AAPFCO minimums.  
Important: Always read and follow label use directions.  
Diamond Brand and Solu-Grade are registered trademarks of Verdesian Life Sciences.  
© 2016 Verdesian Life Sciences. All rights reserved.

