

ODOPHOS[®] Iron Salt Solution for Odor Control

ODOPHOS[®] ferrous sulfate solution has proven to be efficient in controlling hydrogen sulfide in wastewater collection systems to .50 ppm levels. Reduction of the level of hydrogen sulfide entering the atmosphere arrests the formation of corrosion.

Typical Application

- Lift stations/wetwells
- Gravity mains
- Force mains
- Solids processing
- Ponds to lagoons

Typical Feed Requirements

ODOPHOS[®] solution can be added directly to the system creating the odors and is generally applied using custom designed feed systems. Dose rates will vary with the application.

Typically application rates are 1.64 pounds Fe²⁺ /lb.H₂S or 3.2 gallons of ODOPHOS[®] solution /lb.H₂S.

For additional treatment information, including hydrogen sulfide testing and dosage specific to your application, please contact your Siemens representative.

Chemical Storage and Feed Packages

Siemens offers chemical storage and feed packages tailored to the odor control program. These systems can range from simple, single pump configurations to fully automated, dose-to-demand systems utilizing our VERSADOSE™ controller. Advanced control may provide cost savings in dosage and improved performance.

Typical Physical Properties	
Specific gravity	1.17 (9.76 lb/gal)
Freezing Point	28°F (-2°C)
pH	2.0 ~ 2.5
Color	Green
Nominal Concentrations	
Soluble Ferrous Iron	5.1% (0.5 lb/gal)
MgSO ₄	<1.5%
MnSO ₄	<0.2%
Insolubles	<0.5%
Free Acid as H ₂ SO ₄	<0.8%
* Trace Elements	<0.02%

Typical properties are listed for information only, and are not to be considered as specification requirements. These items are not analyzed on a routine basis.



Siemens Water Technologies North America Service Network

Storage & Handling

ODOPHOS® solution is an irritant. Do not get in eyes, or on skin, or clothing. Do not taste or swallow. Do not handle with bare hands. Use only thoroughly clean, dry utensils when handling. Avoid breathing fumes.

Suitable handling materials include fiberglass, plastics (e.g., HDXLPE, PVC, PE, PP) rubber and 316 stainless steel.

See Material Safety Data Sheet for additional safety and handling information.

Packaging

ODOPHOS® solution is shipped by 5000 gallon tanker trucks.

For further information, please contact your Siemens Water Technologies representative. For reorders and customer service, call 1.800.345.3982.

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