



## ODOPHOS® PLUS CL SOLUTION

### IRON SALT SOLUTION FOR MAXIMUM HYDROGEN SULFIDE REMOVAL

ODOPHOS® Plus CL solution is a blend of trivalent and divalent inorganic iron salts developed for superior hydrogen sulfide removal for odor and corrosion control in municipal and industrial wastewater treatment applications.

ODOPHOS Plus CL iron salt solution is a blend of both ferrous and ferric chloride and is supplied as a reddish brown liquid. ODOPHOS Plus CL solution has been documented to provide hydrogen sulfide control via two mechanisms; oxidation and precipitation of dissolved hydrogen sulfide. Due to the “double-duty” action of this blend of ferrous and ferric iron, ODOPHOS Plus CL solution maximizes sulfide removal capacity per pound of iron supplied. This results in fewer gallons used per application, which in turn reduces truck traffic and freight costs while increasing days of storage capacity at existing iron feed sites.

### TYPICAL PHYSICAL PROPERTIES

Specific gravity	1.30-1.45
Crystallization Point	<32°F (<0°C)
pH	<2
Color	reddish brown
Total Iron	12-13%(1.3-1.4 lb/gal)
Soluble Ferrous Iron	3.0-5.0%
Soluble Ferric Iron	8.8-14.7%
Insolubles	<0.1%
Free Acid as H <sub>Cl</sub>	<1%

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.

## Typical Applications

- Lift stations/wetwells
- Gravity mains
- Force mains/Pressure mains
- Wastewater treatment plants
- Solids processing
- Ponds to lagoons

## Typical Feed Requirements

ODOPHOS® Plus CL solution can be added directly to the collection system creating the odors and is generally applied using standard designed feed systems. Dose rates will vary with the application.

Typically application rates 0.9 gallons of ODOPHOS Plus CL solution per pound of sulfide.

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

## Chemical Storage and Feed Packages

Evoqua Water Technologies 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.

## Storage and Handling

ODOPHOS Plus CL 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.

Can be stored outdoors in ambient conditions. Follow all local, state and federal regulations for storage. Do not dump on the ground or release into any body of water. All disposal methods must be in compliance with all Federal, State, Local and Provincial laws, and regulations. Regulations may vary in different locations.

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

See Safety Data Sheet for additional safety and handling information.

## Packaging

ODOPHOS Plus CL solution is normally shipped in 4,000 gallon bulk tanker loads. Mini bulk deliveries (<2,000 gallons) are available in many parts of the country. For further information, please contact your Evoqua Water Technologies representative. For reorders and customer service, call 1.800.345.3982.



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