

# SPER Rust Preventer®

## Liquid Irrigation Treatment

### Liquid Irrigation Rust Preventative Water Treatment

**Applications Include:**  
 Residential/Commercial Irrigation  
 Microjet Irrigation - Nursery/Greenhouses



### Product Description:

SPER Rust Preventer® is a unique blend of specialized phosphates, phosphonic acids and mineral sequestering ingredients manufactured to provide an overall water treatment iron stabilization formulation for agricultural/residential irrigation systems. The effective dosage rate for SPER Rust Preventer® is typically in the stoichiometric range of 1:100,000 meaning one gallon of SPER Rust Preventer® can generally treat 100,000 gallons of irrigation water. With this treatment ratio, SPER Rust Preventer® is a very cost effective remedy to many irrigation rusty water problems.

SPER Rust Preventer® will inactivate or chelate minerals including iron, calcium, and manganese naturally found in irrigation water to prevent mineral precipitation (rusty stains) and scale deposits from forming within the system that could clog microjets, sprinkler heads, drip lines, and pipe lines. This assures that valuable irrigation water will be available to the plants consistently and systemwide. Because SPER Rust Preventer® is such an effective mineral chelant, another beneficial result is providing more available mineral uptake for the plants from the natural minerals in the source water. SPER Rust Preventer® chelation and dispersion functions will also help to reduce the normal hardening of the soil to effectively assure precious water to find its way to the plant roots.

### Chemical Properties:

Composition .....	Liquid blend
Appearance .....	Clean, clear blue liquid
Bulk Density .....	11.25 lbs./gal
pH of solution .....	4.3 - 5.0
Active Acid (%) .....	30
Specific gravity .....	1.35
Freezing Point: .....	-9° C (15.8° F)

### Application and Dosage:

SPER Rust Preventer® is applied to the water system by use of a chemical injector pump or peristaltic pump. Typical treatment dosage range from 1.50 mg/L - 6.0 mg/L but is generally fed at 2.5 mg/L. Approximately one gallon of SPER Rust Preventer® will treat 100,000 gallons of water at a 2.5 mg/L dosage. SPER Rust Preventer® is an extremely stable sequestering agent over a wide range of temperatures and pH. Please refer to the SPER Rust Preventer® SDS for handling information.

### Packaging:

SPER Rust Preventer® is packaged in 5 gal pail, 30 & 55 gallon drums and 275 gallon tote.



For more complete information on properties and safe handling of this material, see the SPER Chemical Safety Data Sheet [SDS].

### **NOTICE**

The information herein is to our knowledge true and accurate. All information appearing on this document is based on data obtained from the manufacturer and/or recognized technical sources. Because of conditions beyond our control, we make no warranty or representation, expressed or implied, except that the product discussed herein conform to the chemical descriptions shown on their labels/product data. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will SPER Chemical Corporation be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information or the product to which the information refers. No agent, representative or employee of this company is authorized to vary any of the terms of this notice.