

# PROTECT-ALL WSF-20

## Liquid Water Treatment

Federal Buyers: Product listed with GSA  
Go directly to GSA purchase site at:  
<http://www.gsaadvantage.com>

GSA Contract Holder  
# GS-07F-0403W

### Advantages and Treatment Functions of Protect-All WSF-20:

Protect-All is a orthophosphate/polyphosphate liquid blend formulated specifically to be used for the inhibition of internal corrosion in potable water distribution systems. Protect-All liquid contains cleansing ingredients necessary for the gradual removal of existing mineral scale deposits. The product includes metal phosphatizing ingredients required for the development and maintenance of corrosion protective film formation. Consider Protect-All liquid potable water treatment if you are in need of an effective corrosion inhibitor.

- ▶ Protect-All is a unique orthophosphate liquid blend for the control of internal corrosion in potable and non-potable water distribution systems.
- ▶ Protect-All will suppress primarily the anodic electrochemical potential thereby neutralizing the circuit necessary to form a corrosion cell on the interior surface of the distribution pipe and equipment.
- ▶ Along with functioning as a corrosion inhibitor, Protect-All has ingredients that will stabilize mineral ions such as iron, calcium, magnesium and manganese preventing mineral scale deposits and discolored water complaints.
- ▶ Once added to a water distribution system, the treatment is also an excellent pH buffering agent to prevent swings in pH to the acidity side.
- ▶ Reduces the demand for chlorine/chloramines because of the stabilization of minerals and reduction of scale deposits - effectively improving disinfection throughout the water distribution system.
- ▶ Gradual removal and inhibition of mineral scale deposits formations in hot water lines and residential water heaters.

### Protect-All WSF-20 Chemical Properties and Certification:

- **Composition:** Liquid
- **Bulk Density:** 9.84 lbs./gallon
- **% Concentrate:** 20.0%
- **NSF Year Listed:** 1991
- **NSF Certification:** Standard 60



- **Appearance:** Clean, clear blue liquid
- **pH of 1% solution:** 5.6 - 5.9
- **Specific gravity:** 1.18
- **Solubility:** N/A
- **NSF max potable dosage:** 45.0 mg/L

### Protect-All WSF-20 Application and Dosage:

Protect-All WSF-20 liquid blended phosphate can be applied directly out of the container to a water system using a chemical injection metering pump. Protect-All WSF-20 liquid water treatment dosages typically range from 0.75 to 3.75 mg/L (calculated) and higher for non-potable water systems.

### Packaging, Shipping and Handling of Protect-All WSF-20:

Protect-All WSF-20 liquid is packaged in 5, 30, and 55 gallon containers FOB Clearwater, FL 33760. Protect-All WSF-20 is shipped in tamper evident sealed containers. Please refer to MSDS for handling information.



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

#### **NOTICE**

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