

# LINEAR<sup>2</sup> WSF-20

## Liquid Water Treatment

### Treatment Functions and Advantages of using Linear<sup>2</sup> WSF-20:

Linear<sup>2</sup> WSF-20 is our lower concentrated liquid linear chain polyphosphate manufactured specifically to resist reversion or hydrolytic chemical breakdown. This specialty liquid polyphosphate is produced with a high P<sub>2</sub>O<sub>5</sub> percentage to provide extended use. This product is produced to be stable under otherwise extreme conditions of temperature, time and where the requirements of potability must be met

- ▶ Linear<sup>2</sup> WSF-20 is a unique liquid polyphosphate that is a specialty glass, with a P<sub>2</sub>O<sub>5</sub> at the very high end of the range utilizing the benefits of a stable long molecular chain polyphosphate. This makes it especially useful in circulating water systems which must have a long shelf or use life.
- ▶ Linear<sup>2</sup> WSF-20 has 1/3 slower reversion rate compared with standard hexametaphosphate which makes it a more stable treatment and has longer use life.
- ▶ Maintains water clarity through functional sequestration of minerals and scale control - resulting in fewer customer water complaints and reduced flushing requirements.
- ▶ Reduced corrosion through cathodic “deadening” of the corrosion cell potential thereby inhibiting corrosion through out the water distribution plumbing.
- ▶ 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.
- ▶ Since Linear<sup>2</sup> WSF-20 liquid is manufactured with highly stable protocol, the formulation of liquid concentration at the project site for injection remains effective over longer periods of time than standard phosphate treatments.

### Linear<sup>2</sup> WSF-20 Chemical Properties and Certification:

- **Composition:** Liquid 20%
- **Bulk Density:** 9.75 lbs/gal
- **% Concentrate:** 20%
- **Freezing Point:** -5°C (23°F)
- **NSF Certification:** Standard 60 (1994)



- **Appearance:** Clean, clear, blue liquid
- **pH of 1% solution:** .6.4 - 6.8
- **Specific gravity:** 1.17
- **Solubility:** Very soluble
- **NSF max potable dosage:** 45 mg/L

### Linear<sup>2</sup> WSF-20 Application and Dosage:

Linear<sup>2</sup> WSF-20 liquid polyphosphate can be applied to a water system directly from the container and into the water system by use of a chemical injection pump. We do not recommend dilution of Linear<sup>2</sup> WSF-20. Typical potable treatment dosages range from 1.25 to 4.75 (calculated) and higher for non-potable water systems.

### Packaging, Shipping and Handling of Linear<sup>2</sup> WSF-20:

Linear<sup>2</sup> WSF-20 liquid is packaged in 5 gallon pails and 30 and 55 gallon drums FOB Clearwater, FL 33760. Linear<sup>2</sup> WSF-20 is shipped in securely 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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