

# WC-1

## Water Conditioner

WC-1 is an excellent general-purpose water-conditioning liquid designed specifically to enhance surface wetting and magnetic particle dispersion stability in water-based magnetic particle suspensions. Its unique blend of wetting agents, corrosion inhibitors, and anti-forming agents eliminates the need for additional water conditioning agents. And as a liquid, WC-1 is easier to mix into solution than powder conditioners, especially when mixing into hard water.

### BENEFITS

- Great for areas with hard water
- Provides excellent surface wetting
- Improves magnetic particle dispersion
- Superior short term corrosion inhibition
- Enhanced antifoam characteristics
- Disperses quickly in water

### INSTRUCTIONS FOR USE

Use in water-based systems to condition water before adding magnetic particles. Fill tank or container with water. Measure out the appropriate amount of WC-1 and add to water. The recommended concentration for WC-1 is 2% by volume. Mix for 5 minutes then add the magnetic particles. Add particles directly over the pump for more rapid dispersion. Mix for 15 minutes or until the particles are completely dispersed. Check particle concentration before use.

Do not mix WC-1 with oil. Add sparingly, excess water conditioner may cause heavy foaming.

Water	WC-1
1 gallon	2.6 fl oz
1 liter	20 mL

### SPECIFICATION COMPLIANCE

- ASTM E709
- ASTM E1444

### APPLICATIONS

#### Ideal for:

- Water-based magnetic particle suspensions
- Mixing with hard-water

### PROPERTIES

Appearance	Transparent liquid
Color in Visible Light	Light amber
Color in UV Light	Nonfluorescent, colorless
Odor	Minimal, negligible

### PACKAGING

5 gal / 18.9 L pail    01-2173-40

### HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at [www.magnaflux.com](http://www.magnaflux.com).