

### CALCIUM HARDNESS REDUCER

#### For Swimming Pools

#### Recreational Water Hardness Removal & Metal Staining Control

Calcium Hardness Reducer is a uniquely formulated blend of proprietary phosphonic acid derivatives for reduction of calcium hardness in recreational waters where hardness buildup, or scaling of pool surfaces or equipment, is a continuing problem. Waters with calcium hardness levels greater than 400 ppm should be treated with Calcium Hardness Reducer to bring hardness levels within the NSPI recommended range of 200-400 ppm. Under these conditions, Calcium Hardness Reducer will, in addition to controlling calcium hardness, also chelate and keep in solution trace heavy metals present in the water, including iron, copper and manganese, thus helping prevent deposition and pool surface staining. When applied in accordance with label directions, Calcium Hardness Reducer is usable in any environment, is non-harmful to pool liners, circulating equipment and either painted or masonry surfaces. Calcium Hardness Reducer is compatible with all filtration systems, sanitizing equipment and all pool chemicals when applied in accordance with label instructions.

#### APPLICATION

##### INITIAL TREATMENT

Calcium Hardness Reducer is applied to aqueous systems by direct addition around the circumference of the pool or spa at a recommended rate of one (1) quart per 10,000 gallons of water in pools, or one (1) ounce per 300 gallons in spas. Maintain system recirculation and filtration for at least twelve (12) hours per day (pools) or one (1) hour per day (spas) during the initial treatment period. After two to three weeks, have the calcium hardness tested – if it is still above the ideal range of 200-400 ppm, repeat the initial treatment. At the recommended application rate, Calcium Hardness Reducer will typically reduce calcium hardness by 200-300 ppm.

##### MAINTENANCE TREATMENT

Weekly, add four (4) ounces per 10,000 gallons in pools, or one (1) ounce per 300 gallons in spas, of Calcium Hardness Reducer to maintain the ideal calcium hardness range, inhibit hardness scaling and chelate trace heavy metals.

#### HANDLING

Calcium Hardness Reducer is formulated to be inherently stable with an indefinite shelf life under normal storage conditions. Avoid storing Calcium Hardness Reducer at temperatures above 120°F or in close proximity to oxidizing or alkaline materials. Before using Calcium Hardness Reducer all product data and application information, including package labels, data sheets and Material Safety Data Sheets, **MUST** be read and understood by the product user to avoid personal injury. Although Calcium Hardness Reducer as packaged is safe to handle and use when applied in accordance with label directions, it is considered to be a severe eye hazard, and internal and skin irritant. **KEEP AWAY FROM CHILDREN!**

#### PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity @ 60° F 1.20 Typical ♦ Density, lbs./gallon 10.1 Typical

Flash Point/Fire Point Nonflammable ♦ Freeze Point, ° F Below 25°F Typical

Water Solubility Complete ♦ Appearance & Odor Clear light amber liquid, slight odor

#### AVAILABILITY

Calcium Hardness Reducer is available in 1-quart bottles and 1-gallon bottles. Call for additional package sizes.

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