



# Product Facts

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## **OPTISPERSE® PQ4263** **Internal Treatment**

- Unique blend of polymers, sequestrants, and inorganic precipitating agents
- Superior control of deposit formation
- Convenient liquid formulation
- Maximizes boiler reliability

### **DESCRIPTION AND USE**

OPTISPERSE® PQ4263 is a unique, liquid blend of polymers, sequestrants, and inorganic precipitating agents.

OPTISPERSE PQ4263 is a precipitating boiler water treatment in which calcium hardness is removed from the boiler water as calcium phosphate, and magnesium hardness is precipitated as magnesium hydroxide and/or magnesium silicate.

The specific blend of polymers and sequestrants is highly effective in preventing the formation of both hardness and metal oxide deposits. Polymeric dispersants and sequestrants are multifunctional. They distort crystal growth and reduce particle size. By altering the surface charge of the suspended particles, the attraction between the boiler tube wall and the particle is significantly reduced. The unique blend also promotes surface adsorption and distortion of the crystal lattice of deposit particles. This results in significantly reduced scale potential and cleaner heat transfer surfaces.

### **TREATMENT AND FEEDING REQUIREMENTS**

Proper treatment levels for OPTISPERSE PQ4263 depend on many factors particular to a given installation. The product should be used in accordance with control procedures that BetzDearborn establishes for a specific application.

OPTISPERSE PQ4263 may be fed neat or diluted with softened makeup, condensate, or feedwater.

### **PACKAGING INFORMATION**

OPTISPERSE PQ4263 is a liquid blend, available in a variety of containers and delivery methods. Contact your BetzDearborn representative for details.

### **STORAGE**

Store OPTISPERSE PQ4263 at moderate temperatures and protect from freezing. If frozen, thaw completely and mix thoroughly prior to use.

### **SAFETY PRECAUTIONS**

A Material Safety Data Sheet containing detailed information about this product is available upon request.

