

ScaleTrol* PDC9313

Deposit Control Agent

- Controls calcium carbonate, sulfate and iron deposition.
- Provides superior performance in high suspended solids systems.
- Effective at elevated pH and temperature ranges.
- Reduces scaling potential in high hardness streams.

Description and Use

ScaleTrol PDC9313 is a deposit control agent used in process water systems. It contains highly stable organic phosphonate that controls fouling caused by suspended solids and precipitation of scaling ions.

Typical Applications

ScaleTrol PDC9313 is recommended for process water systems where excessive calcium scaling and suspended solids fouling occur. It is particularly effective in streams operating at ultra high calcium hardness and over wide pH and operating temperature ranges.

Many process water strippers experience fouling, either in the tower or reboilers, from calcium carbonate, calcium sulfate, or other water hardness salt deposition. ScaleTrol PDC9313 helps reduce deposition, resulting in decreased maintenance and operational downtime, with increased throughput and energy savings.

Treatment and Feeding Requirements

Proper treatment levels of ScaleTrol PDC9313 depend on many factors, such as the type of deposition, severity of the problem, and conditions particular to a given installation.

Feed ScaleTrol PDC9313 directly from the shipping container or storage tank and in accordance with control procedures your GE Water & Process Technologies representative establishes for a specific application. It is usually fed to a process stream immediately upstream of a problem area. For consistent effectiveness, feed the product continuously using a chemical proportioning pump. Use only stainless steel piping and feed system components.

Protect the product from freezing. DO NOT MIX with other process chemicals unless compatibility has been verified with your GE representative.

Monitoring

For the best treatment performance, ScaleTrol PDC9313 should be evaluated by periodically recording critical unit parameters or observing monitoring tools, such as deposition coupons, process water circulation rates and chemistry, pressure drops, and heat transfer efficiencies.

Packaging Information

ScaleTrol PDC9313 is a liquid material, available in a wide variety of customized containers and delivery methods. Contact your GE representative for delivery and packaging alternatives.

Storage and Handling

Store ScaleTrol PDC9313 at moderate temperatures of 40 to 90° F (4 to 32° C) and protect from freezing. To ensure maximum coagulation activity, this product should be used within six months, although it is generally stable for up to one year.



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Safety Precautions

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

Metric Conversion Factors

To convert any of the English units in this Product Fact Sheet into their Metric Equivalents, use the appropriate conversion factors:

$$\text{Gal} \times 3.785 = \text{liters}$$

$$\text{Lb} \times 0.454 = \text{kg}$$

$$\text{psi} \times 6.7 = \text{Kpa}$$

$$(\text{°F} - 32) / 1.8 = \text{°C}$$