

ScaleTrol* PDC9339

deposit control agent

- Formulated with SUEZ's patented Stress Tolerant Polymer (STP) for control of particulate iron and calcium as well as other suspended solids
- Superior calcium carbonate control at a wide pH range up to 10 and higher (depending upon calcium)
- Stable at high calcium and temperature with sufficient flow
- Dual scale control of calcium carbonate/sulfate at pH>8.5
- Secondary control of calcium phosphate deposition and/or moderate-high suspended solids

description and use

ScaleTrol PDC9339 is a deposit control agent for process water systems such as gas cleaning systems, process condensers, water reuse circuits and process waste disposal systems. The product is most effective in water systems where an antiscalant is needed and there is additional stress from high levels of suspended solids, particulate iron, temperature or low flow velocity. It can also be used to protect against the formation of secondary calcium phosphate deposits.

typical applications

Uniquely formulated with SUEZ's Stress Tolerant Polymer (STP), ScaleTrol PDC9339 is recommended for process water systems where excessive calcium scaling and suspended solids fouling occur. The product is effective on calcium carbonate up to pH 10 and higher (depending upon calcium levels). ScaleTrol PDC9339 has superior performance at high temperature, high calcium, high pH and/or with the control of calcium sulfate at high pH.

Many process systems experience deposition in transfer piping or critical processing equipment due to harsh conditions. ScaleTrol PDC9339 helps reduce deposition, resulting in reduced maintenance and down time, and/or increased throughput or energy savings.

treatment and feeding requirements

Proper treatment levels of ScaleTrol PDC9339 depend on many factors, such as the type of deposit, severity of the problem, and conditions particular to a given operation. The product should be used in accordance with established control procedures from SUEZ for the specific application. The recommended feed rate is typically between 5-25 ppm. For consistent protection, product feed should be continuous.

ScaleTrol PDC9339 should be fed directly from the shipping container or storage tank by a chemical proportioning pump to the process stream, upstream of a problem area. The product should be fed into a high flow stream so as to be rapidly distributed into solution. Dosing of the product into a dilution stream can be done using a neutral pH, low hardness, low solids carrier water.

Steel alloys should not be used in any components of the feed system in contact with concentrated product. Acceptable are all common plastics (PVC, PP, PE) and most elastomers with the exception of urethane and hypalon (do not use with concentrated product).

The product should be protected from freezing (+32°F). **DO NOT MIX** with other process chemicals unless compatibility has been checked with your SUEZ representative.

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monitoring

For best treatment performance, ScaleTrol PDC9339 should be evaluated regularly by monitoring critical unit parameters. Monitoring of deposition coupons, process water chemistry, flow rates, pressure drops, and heat transfer efficiencies can be used to evaluate the application effectiveness.

general properties

Physical properties of the ScaleTrol PDC9339 are shown on the Material Safety Data Sheet (MSDS) a copy of which is available on request.

packaging information

ScaleTrol PDC9339 is a liquid blend, supplied in a variety of convenient methods. This product can be delivered in bulk quantities through SUEZ ChemSure* Drumless Delivery Services. Contact your SUEZ representative for details.

safety precautions

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