

ZI-CHEM 25D1

Cooling Water Microbiological Control

HIGHLIGHTS

ZI-CHEM 25D1 compound is based on special synergistic activation technology with potassium monopersulfate as active ingredient.

It can be used for many applications where disinfecting and bleaching is required including potable water treatment, industrial process and utility cooling, commercial, domestic, medical and environmental. One of the unique functions of ZI-CHEM 25D1 is to enhance the effectiveness of other oxidizing biocides such as chlorine, bromine or peroxide in the presence of organic contamination by reducing the normal "demand" that occurs under such conditions. This can effectively minimize the production of undesirable chlorinated byproducts that would usually occur.

TYPICAL PROPERTIES

- Appearance: White free flowing powder
- Odor: Slight irritant odor
- Specific gravity: 0.9
- pH: 4.0 – 6.0
- Solubility @ 20°C: 20 g/l water

PRIMARY APPLICATIONS

ZI-CHEM 25D1 can be applied by diluting first in water and feeding with pump, or sprinkling on water surface in basin or recirculation tank of the circuit requiring disinfection. Maximum concentration at 20°C is 20 grams per liter water.

For disinfection of surfaces, the dry granules can be sprinkled onto the surface, sprayed with water, physically scrubbed and then rinsed with water. The dosage rate will depend on the operating conditions in the system being treated.

FEEDING & CONTROL

After preparing ZI-CHEM 25D1 into a solution with water, it should be fed directly from the solution tank to the water stream to be treated. If using a chemical metering pump, this should have liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, or Teflon.

Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

THE BENEFITS

- Improved heat transfer capacity
- Extended equipment life
- Prevent water borne life taking diseases such as legionella disease
- Avoid unscheduled downtime

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Pulp & Paper processing
- Food industries
- Petrochemicals

PACKAGING

- 25kg open top buckets with sealed lid
- 50kg barrel

HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

