



TECHNICAL DATA SHEET

ADENA 6950

Product #AD6950

ORGANIC PENETRANT AND DISPERSANT FOR COOLING WATER SYSTEMS

ADENA 6950 is an organic penetrant and dispersant for use in cooling water systems. ADENA 6950 was designed to maintain clean surfaces in heat transfer equipment and cooling towers and to aid in the cleaning of fouled systems. ADENA 6950 is especially effective in cleaning deposits that result from the production of algal and bacterial biofilms.

ADENA 6950 functions by penetrating the matrix of organic deposits. The penetrating action of ADENA 6950 results in the sloughing off and dispersal of the organic matrix. Consistent use of ADENA 6950 will help maintain deposit and corrosion-free surfaces. ADENA 6950 will also aid in the cleaning of heavily fouled systems.

In addition to reduced organic plugging and fouling, consistent use of ADENA 6950 will help reduce deposits and associated corrosion. The reduction of scale and corrosion results from the cleaning action of ADENA 6950. Deposits resulting from biofilms will create localized corrosion cells that are not readily accessible to corrosion inhibitors. These deposits will also provide nucleation and crystal growth sites at heat transfer surfaces that will greatly increase the potential for the formation of mineral scales such as carbonate.

The benefits derived from the use of ADENA 6950 are an essential part of a total cooling water treatment program. The appropriate use of scale and corrosion control technology, in addition to the proper application of microbicides, is fundamental for overall control.

Methods of Application:

The amount of ADENA 6950 used will depend on the severity of the deposition. For maintenance of clean surfaces in previously cleaned systems, ADENA 6950 should be fed at a rate of 10-60 ppm. The product should be applied 1-3 days per week in slug doses. For systems that have a greater tendency to foul due to contamination, ADENA 6950 should be fed at a rate of 30-100 ppm, 2-3 times weekly.

For cleaning fouled systems, ADENA 6950 should be applied at a rate of 60-150 ppm daily until deposits are removed. In addition to feeding ADENA 6950, a microbicide should be fed to kill bacteria and algae present in the system. Heavily fouled systems may tend to slough large amounts of deposited material; therefore, adequate precautions should be taken to prevent plugging of screens, small lines, and heat exchangers.

ADENA 6950 may cause some foaming when fed at high levels. At normal levels, the product will generate a small amount of unstable foam that should not be troublesome.

Packaging and Handling

ADENA 6950 is a liquid packed in nonreturnable drums and in bulk. Improper handling of this product can be injurious to workers. **Observe all safety precaution shown on the label and in the Material Safety Data Sheet.**

Typical Product Characteristics	
Odor.....	Slight amine
Density @ 25°C (7°F).....	0.95g/ml
pH.....	5.5-6.5
Flash point.....	>212°F