

HYDRAGUARD LIMITED

C519

C519 is a versatile molybdate zinc-based corrosion and scale inhibitor product for use in cooling towers operating with softened water. **C519** is highly effective for eliminating the corrosion potential of softened water. High stability polymers and scale inhibitors have also been incorporated into the product to help maintain extremely clean heat transfer surfaces through scale and corrosion prevention. The product is stable over a wide range of operational conditions and water qualities.

ADVANTAGES

contains one of the best scale inhibiting polymers commercially available
contains a powerful corrosion inhibition package to protect against the corrosive properties of softened water
for improved control, the product level within a system can be tested for using a simple reliable molybdate test.

HOW MUCH TO USE

To passivate the system against corrosion initially, the cooling tower should be dosed at twice the normal dosing rate for a period of approx. 5-6 days. Once this has been completed, treatment should be added to give 100-200 ppm in the system (5-8 ppm molybdate MoO₄). For example, a cooling system operating at 4 cycles of concentration requires, typically, 25-50 ppm of **C519** to be dosed to the make-up water. Proportional dosing is recommended. The system can be controlled by measuring either molybdate reserve (5—8 ppm as MoO₄) or phosphonate.

METHOD OF APPLICATION

C519 should be fed continuously to any point of good mixing. Avoid feeding to stagnant areas where product concentration may become artificially elevated.

PROPERTIES

Appearance:	Clear blue/green liquid
pH of neat solution:	9.5-10.5
Specific gravity:	1.00-1.10
Solubility:	Complete miscible

HANDLING AND STORAGE

C519 has a low toxicity, but standard chemical precautions should be taken when handling all chemicals. May be irritating to eyes and skin. Wear gloves and goggles. Consult Health and Safety data sheet for further information.

SPILLAGE AND DISPOSAL

Flush to drain with plenty of water. Do not allow material to directly enter rivers and watercourses. Observe local disposal regulations.

PACKAGING

C519 is available in 10 litre, 25 litre and 200 litre drums.

Hydraguard Limited
Rose Croft
Newton on Rawcliffe
Pickering
North Yorkshire YO18 8QE
Tel No. 01751 475964
email: ryedale@aol.com

PRODUCT DATA