

SYN-QUEST TD52

General

SYN-QUEST TD52 is a second generation high strength formulation containing a selected blend of inorganic and organic corrosion inhibitors supplemented with a dispersant to mobilise any contamination within the system. The product is designed for application in Chilled Water, LPHW and MPHWP systems.

Technical

SYN-QUEST TD52 prevents corrosion and deposits in closed and aerated cooling water systems. SYN-QUEST TD52 contains cathodic inhibitors for steel, copper and copper alloys in combination with dispersants. SYN-QUEST TD52 keeps the surface of the cooling systems clean and thus provides the basis for the formation of an effective corrosion protection film.

Dosing

SYN-QUEST TD52 should be dosed at the rate of 2 litres/cu.m for systems fabricated in mild steel.

For systems fabricated of Aluminium SYN-QUEST TD52 should be dosed at the rate of 5 litres/cu.m

Control

The product should be monitored to maintain a molybdate reserve of 250 - 350mg/l as MoO₄ and for aluminium boilers >800mg/l is recommended.

Physichem

State : Liquid
Colour : Brown
Odour : Barely perceptible odour
pH : 8.60 - 9.10
SG : 1.200 - 1.260

Features

Application Areas

Primary : Cooling (Closed)
Secondary : Boiler (Closed)

Functional Areas

Primary : Corrosion Inhibitor
Secondary : Scale Inhibitor

Test Methods

Test For : Molybdate
Target Value : 300 mg/l
Tolerance : +/- 50 mg/l