

TRIDENT TOWERGUARD H

Cooling Tower Treatment for Hard Water

Form: Liquid

Color: Yellow

Odor: Mild

pH: 12.50 - 13.50

Solubility (in water): Soluble
(in mineral spirits): Insoluble

VOC Content (% by weight): <10.0 %

Flash Point (ASTM D-7821): N/A

Specific Gravity: 1.11 g/cm³

Density: 9.26 lbs/gal

Storage Stability (at 70°F): 1 year

<u>Ingredients</u>	<u>C.A.S. #</u>
Water.....	7732-18-5
Sodium Hydroxide.....	1310-73-2
Acrylamide Copolymer.....	No CAS #
Corrosion and Scale Inhibitor.....	No CAS #
Sodium Molybdate.....	7631-95-0

Control Parameters...

- Treatment should be controlled using a test kit which indicates molybdate (MoO₄) levels
- Molybdate (MoO₄) levels should be maintained between 1.2 ppm and 2.4 ppm
- This treatment program must be accompanied by a regular bleedoff schedule to maintain suggested chloride (CL) and alkalinity levels

DIRECTIONS: Dosages of TRIDENT TOWERGUARD H will depend on the characteristics of the make-up water, the permissible cycles of concentration, and a cooling towers' rated tonnage versus its operational tonnage. TRIDENT TOWERGUARD H should be fed at a rate of 200 to 400 ppm (25 to 50 ounces per 1000 gallons of cooling water capacity). It should be fed to maintain a residual molybdate test level of between 1.2 and 2.4 ppm molybdate.

It is recommended that TRIDENT TOWERGUARD H be fed on a continuous basis using a suitable treatment pump and control unit. It may be fed directly from the drum or diluted to a convenient concentration with water. It should be fed to a point in the system where it will be thoroughly mixed and evenly distributed. TRIDENT TOWERGUARD H should be used in conjunction with an alternating algaecide and biocide treatment program. If bacteria and organic fouling is severe, a biodispersant, such as TRIDENT BIOSPERSE, is also recommended.

HMIS				NFPA	
		Severe	4	Extreme	
Health.....	2	Serious	3	High	Health..... 2
Flammability.....	0	Moderate	2	Moderate	Flammability..... 0
Reactivity.....	0	Slight	1	Slight	Reactivity..... 0
Personal Protection.....	X	Minimal	0	Insignificant	Special Precautions.....None