

TRIDENT TOWERGUARD S

Cooling Tower Treatment for Soft Water

Form: Liquid

Color: Yellow

Odor: Mild

pH: 12.50 – 13.00

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

VOC Content (% by weight): 15 – 20 %

Flash Point (ASTM D-7821): >212°F

Specific Gravity: 1.10 g/cm³

Density: 9.18 lbs/gal

Storage Stability (at 70°F): 1 year

<u>Ingredients</u>	<u>C.A.S. #</u>
Water.....	7732-18-5
Potassium Hydroxide.....	1310-58-3
Corrosion Inhibitor.....	No CAS #
Acrylic Polymer.....	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 1.20 ppm and 3.00 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 S 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 S should be fed at a rate of 300 to 500 ppm (40 to 64 ounces per 1000 gallons of cooling water capacity). It should be fed to maintain a residual molybdate test level of between 1.2

It is recommended that TRIDENT TOWERGUARD S 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 S 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.....	Serious	3	High	Health.....	2
Flammability.....	Moderate	2	Moderate	Flammability.....	12
Reactivity.....	Slight	1	Slight	Reactivity.....	0
Personal Protection.....	Minimal	0	Insignificant	Special Precautions.....	None