

TECHNICAL INFORMATION BULLETIN

WM8570 TOTAL CLEAN

Description:

TOTAL CLEAN has been developed to replace hydrochloric (muriatic) and sulfamic acids which although inhibited, will attack galvanize (zinc). **TOTAL CLEAN** will remove scale as quickly as sulfamic acid but is safe to use and will not harm the sheet galvanize in the tower.

TOTAL CLEAN has been scientifically formulated to remove all water scale, lime, rust and other water formed deposits, safely and quickly.

TOTAL CLEAN is relatively innocuous to humans and is classified as a mild skin irritant and can be safely held in the open hand without deleterious effects.

TOTAL CLEAN has the ability and effectiveness to be used at room temperature with full results obtainable but the application of heat (150° F max) will accelerate the cleaning process.

TOTAL CLEAN will not corrode, erode, attack, pit, oxidize or have deleterious effects on metals or materials found in water cooled equipment.

Cleaning procedure:

- Add a 10% solution of system volume to lower the pH to less than 1 and more chemical should be added if the pH rises above 3.
- Depending on the amount of scale to be removed, you may experience a great deal of foaming. Please ensure you have some defoamer on hand. When you have knocked down the foam with the defoamer, you will still observe the organic salt dissipating the scale somewhat as an Alka-Seltzer in water.
- When you can no longer observe any foaming, the system has been cleaned or the pH has elevated to more than 3.
- You do not have to neutralize and can be put directly to drain.

Packaging:

HD8570	TOTAL CLEAN	22 LITRE PAIL
WM8600	ANTI-FOAM	4 X 4 LITRE JUGS
Ph Roll	ACCUTINT	pH roll

PLEASE NOTE: As with sulfamic acid, **TOTAL CLEAN** is not recommended for use on aluminum.

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WM8570 TOTAL CLEAN NEW ACID REPLACEMENT TECHNOLOGY

DESCRIPTION:

WM8570 TOTAL CLEAN represents a new generation of scale removers and industrial strength cleaners. The major ingredient is an acidic organic salt which provides and water scale removal capabilities exceeding those of most mineral acids. WM8570 is an excellent replacement for sulfamic acid and will outperform other organic acids. WM8570 contains inhibitors and dispersants to facilitate deposit removal with minimal effect on system metallurgies. WM8570 is relatively innocuous to humans and is classified as a mild skin irritant. When used as directed it is safe for us with most metals, however caution is recommended with applying Total Clean to systems containing aluminum or hot dipped galvanized components. Total Clean is much safer to use than hydrochloric acid, safer, easier and more economical than sulfamic acid and does not generate the fumes and other hazards associated with traditional acid cleaning.

SPECIFICATIONS:

Specific Gravity	1.114
Colour	Light Yellow
pH	<1.0
Odour	Mild, pleasant

APPLICATION AND CONTROL:

Total Clean W8570 is formulated for use in cleaning cooling towers, evaporative condensers, boilers, heat exchanger and other vessels/system where hard water scales present problems. The recommended application concentration varies from 5% to 50% depending on the composition and volume of deposit and the time available for the work to be done. The application of heat (150° F max) will accelerate the cleaning process. When WM8570 is used for cleaning food processing equipment, sufficient water rinse must be applied to ensure removal of all traces of WM8570 before use. Your total Clean distributor will provide you with specific recommendations.

PACKAGING:

22 kg Poly pail, 230 kg Poly drums, 1100 kg Totes

PRECAUTIONS:

Mild skin irritant, Wear gloves & chemical goggles when handling,
DO NOT take internally. Consult M.S.D.S. and product label before handling.