



RAKIRO BIOTECH SYSTEMS PVT LTD

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-47804040
Email :- sales@rakiro.net

Doc No : TDSWTB101
Date : 01-11-2025
Type : UDAAQ
Product Code : WTB101

PRODUCT DATA SHEET

> **INFORMATION**

Product Code: WTB101

Product Name: Quaternary Ammonium Based Biocide

Application: Cooling System Treatment

> **DESCRIPTION**

WTB101 biocide is a Benzalkonium Chloride based Quaternary Ammonium Biocide effective in controlling bacterial slime and fungal growth in industrial recirculating cooling water systems, air washer systems and evaporate condensers. It is also effectively used in paper mills and cane sugar mills. WTB101 is a highly effective Microbiocide formulation wherein it forms electrostatic bonds with carboxyl group in protein and enzymes that interfere with oxidation-reduction and other biochemical reactions. Quaternary ammonium compounds penetrate cell wall, lysis occurs, and metabolites leak out causing death of cell, thereby stunting their growth.

> **SALIENT FEATURES**

Food Grade Cooling Water Treatment

NSF Certified for Food Processing Industries

Environment-friendly and Non-Toxic Treatment

Economical and Available in ready to use Pack

High Temperatures and High-Pressure Stability

Easy to handle with Rapid Action for Instant solution

Complete system Protection to enhance system life

> **CERTIFICATIONS**

NSF - Food Grade Certified Cooling Water / Chiller Treatment Chemical

NSF - NFC Certification

> **ANALYTICAL DATA**

Appearance : COLOURLESS TO PALE YELLOW COLOUR LIQUID

pH : 7.00 - 10.00

Density : 0.90 - 1.10

> **HANDLING INSTRUCTIONS**

The use of protective Clothing, facemask, safety goggles, shoes and gloves are mandatory. Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.

> **RECOMMENDED DOSAGE**

Cooling tower systems which are contaminated should be cleaned before the addition of biocide.

Shock Dosage:-

Shock dose (Initial dose) for fouled systems or at start-up or where the build up of biomass is apparent should be 100 - 200 PPM. Add this biocide at a point such as water basin, box etc in the distribution system that will lead to rapid distribution. This dose may be repeated once or twice a week as required to bring microbial growth under desired limits.

Maintenance Dosage:-

After the initial treatment, once the the microbial growth is under desired limits dose may be adjusted between 50 - 70 PPM based on microbial load analysis of the system and on the blow down of water from the system.