

MERGAL® MC14

ECHA BPR Volume 5 Article 95 Compliant Biocide

Implement a New Fuel Biocide to Protect Your Ships' Fuel Tanks

- Gain Control with Quick Microbial Kill Rates
- Eliminate Fuel Loss and Wastage from Hungry Microbes
- Prevent Microbially Induced Tank Corrosion
- Prevent H₂S Formation & Filter Blocking
- Minimize Machinery Downtime for Cleaning or Replacement
- Maintain Fuel Stability and Improve Fuel Efficiency
- Ensure Reliable Fuel Supply to Engines & Boilers

MERGAL MC14 is a concentrated, broad-based biocide suitable for use in fluid systems that are susceptible to microbial contamination. MERGAL MC14 has excellent speed of kill and proven efficacy per standard ASTM test method¹ on organisms such as sulfate-reducing bacteria and acid-producing bacteria which are commonly found in fuel oil tank bottoms.

When used as a slimicide for fuel preservation, MERGAL MC14 quickly reduces bacterial and fungal contamination of marine fuels including conventional marine fuels, biofuels, biodiesel blends, and other liquid fuel applications. The effectiveness and duration of protection lasts for several weeks at which point the tanks should be dosed with maintenance treat rate to protect the fuel system from microbes and keep it under control.

Application

Apply MERGAL MC14 to nominated fuel oil storage tanks prior to the commencement of bunkering for proper mixing and treatment of new fuel. For dosing previously untreated bunker tanks, apply an initial or shock treatment of 1 liter biocide for every 12,500 liters of fuel capacity to ensure that all new fuel being loaded will be inoculated. Avoid using in fuel systems with fuel temperatures higher than 60°C and pH > 9.0. If necessary, apply only when fuel temperatures have been reduced adequately and then recirculate the treated fuel to achieve full mixing.

**CONTACT YOUR ACCOUNT EXECUTIVE FOR MORE INFORMATION AND TO ORDER
OR VISIT: WWW.DREW-MARINE.COM**

Characteristics of MERGAL MC14

Composition:	Concentrated mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (CMIT) & 2-methyl-4-isothiazolin-3-one (MIT)
CAS No.:	55965-84-9
Appearance:	Colorless to light yellowish liquid
Odor:	Characteristic, slight
Density:	1.25 – 1.33 g/cm ³ @20°C
Viscosity:	16 Mpa·s
pH:	2.5 to 4.0
Storage:	Avoid heating > 55°C or freezing
UFI:	QH80-POS8-K00E-575C
HS Code:	3808 99 90 00
Size:	24 kg
PCN:	6980024

Dosage

Treatment	Concentration	Dosage Rate
Maintenance	40 ppm	1:25,000
Initial or Shock	80 ppm	1:12,500
Severe Shock	200 ppm	1:5,000

Stability and Reactivity

Under normal conditions of storage and use, MERGAL MC14 is stable and low foaming. Hazardous reactions will not occur, and hazardous decomposition products should not be produced when used as directed. Store in original, lined corrosion-resistant container and keep container tightly closed and sealed until ready for use.

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¹ASTM E1259 Standard Practice for Evaluation of Antimicrobials in Liquid Fuels