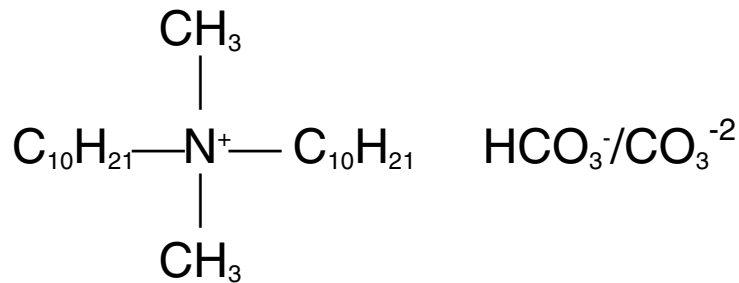


CARBOQUAT[®] MW-50

Didecyl Dimethyl Ammonium Carbonate/Bicarbonate
Preservative for Metalworking Fluids and other Industrial Uses
Microbiocide and Corrosion Inhibitor for Oil Field
EPA Registered: 6836-323



Carboquat[®] MW-50 is a preservative that can be used to inhibit bacteria and fungal growth in metalworking fluids and related fluids like hydraulic fluids and compressor oils. This microbiocide may also be used to control bacterial and fungal growth in oil field and petrochemical flood water, subsurface injection systems, such as secondary, tertiary oil recovery systems, tar sand and oil sand and shale oil recovery, oil and gas fluids including drilling and packer fluids, hydrotesting operations, pipeline pigging and scraping, oil and gas pipeline and tank maintenance and preservation of fuel systems and fuel associated waters. It may also be used for slime control and sulfate reducing bacteria in oil field water flood systems. Carboquat MW-50 aids in the control of bacterial and fungal growth in paints, petroleum products, decorative coatings, industrial cleaning solutions, and related products in aerosol cans. This multifunctional additive is also a highly effective anticorrosion agent and an effective emulsifier.

Carboquat[®] MW-50 is a non-corrosive microbiocide that exhibits all the benefits of a quat but does not contain chloride. Carboquat[®] MW-50 provides an excellent thin film forming effect on all metals and has good biodegradation with no bioaccumulation.

Active Ingredients:

Didecyl Dimethyl Ammonium Carbonate and
Didecyl Dimethyl Ammonium Bicarbonate 50%

Typical Properties:

Quaternary %..... 48.5 – 51.5
Free Amine < 1.5
pH 9 – 11
Color, APHA 4 Max.
Turbidity 25.0 max
Chloride % 0.03 max

The seller makes no warranty, expressed or implied, concerning the accuracy of any results to be obtained from the use of this information and no warranty is expressed or implied concerning the use of these products other than indicated within. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent Printed in the USA Revised 4-Dec-2009 Supercedes 02-May-2007

Other Physical Properties

Appearance..... Colorless to Pale Yellow Liquid
Density 0.96 g / cm³ at 77° F. (8 lbs/ gallon)
Viscosity @21°C ~350 cps
Melting Point/Freezing point, °C -10
Flash point : > 199.9 °F (> 93.3 °C)
Odor..... Amine like

Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

Regulatory Information:

TOXIC SUBSTANCES CONTROL ACT (TSCA INVENTORY) STATUS:

Some components of this product are not currently listed on U.S. EPA TSCA 8(b) inventory list. This material is an EPA FIFRA registered pesticide EPA registration number 6836-323. This product can only be used commercially in the EPA FIFRA applications(s) noted on the product label.

For questions or for further information please e-mail Technical Sales Support at contact.allendale@lonza.com or call 1-800-365-TECH (8324)