www.pilotchemical.com
9075 Centre Pointe Dr. • Suite 400
West Chester, OH 45069

MAQUAT® TC76-50
PRODUCT DATA SHEET

PDS 863602.2.ACTIVE.06212024

PRODUCT DESCRIPTION

Maquat® TC76-50 is an 50% blend of actives alkyl dimethyl benzyl ammonium chloride, ADBAC, and Dialkyl methyl benzyl ammonium chloride in a hydroalcoholic (isopropanol) solution. Maquat® TC76-50 is an EPA-registered manufacturing use product (MUP).

EPA REG. NO.

10324-1

ACTIVE INGREDIENTS

Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride CAS# 68391-01-5 (Alt. 53516-76-0)	49.80 wt.%
Dialkyl (60% C14, 30% C16, 5% C12, 5% C18) Methyl Ethylbenzyl Ammonium Chloride CAS# 73049-75-9	0.20 wt.%
Total:	50.00 wt.%

TYPICAL PROPERTIES

Appearance at 25°C	Clear colorless to light straw liquid
% Active Quaternary (MW: 380), wt. %	50.0
Free Amine + Free Amine HCl, wt. %	< 3.0
Isopropanol, wt.%	5.0 – 10.0
pH (10% Solution)	6.0 – 9.0
Color (as is), APHA	< 120
Density, lbs./gal.	7.92 – 8.09
Flash Point (Pensky-Martens Closed Cup)	48°C (118°F)
Freezing Point	5°C (41°F)
Shelf life	2 years

APPLICATIONS

Maquat® TC76-50 is a US EPA-registered manufacturing use product (MUP) which limits its use to formulating an antimicrobial product for the uses indicated on the label including but not limited to swimming pools and recirculating industrial and commercial cooling water systems. Formulators using this product are responsible for providing data for the EPA registration of their formulated products. Refer to the EPA master label for full list of antimicrobial formulation options.

ADVANTAGES

Mason Chemical uses the highest quality tertiary amine in the manufacture of Maquat® TC76-50. The high purity of the starting material delivers a consistent, low color and odor, high quality product that can be differentiated into consistent, high quality end-use products.

STORAGE & HANDLING

Refer to and follow the guidelines in the Safety Data Sheet (SDS) available from Mason Chemical Company for information on the safe use, handling, and disposal of this product. Mason Chemical recommends that Maquat® TC76-50 should be stored in sealed containers and kept at temperatures below 120°F. Avoid overheating or freezing. If material becomes frozen it should be heated gently and stirred to ensure it is homogeneous before use. Maquat® TC76-50 is not damaged by freezing.

PACKAGING

Maquat® TC76-50 is available in 440 lb. poly drums, 2200 lb. poly totes, and bulk quantities.

See additional product information at www.pilotchemical.com

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confirm the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the field or be issued.

The information provided is current as of the date of publication as shown by the document control number.