



Surfactants, Quats, and Specialty Chemistries

www.pilotchemical.com

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

MAQUAT® MQ615M

PRODUCT DATA SHEET

PDS 862102.4.ACTIVE.06172024

PRODUCT DESCRIPTION

Maquat® MQ615M is a blend of alkyl dimethyl benzyl ammonium chloride, ADBAC, and didecyl dimethyl ammonium chloride, DDAC, compounds in a hydroalcoholic (ethanol) solution. Maquat® MQ615M is an EPA-registered manufacturing use product (MUP).

COMMON CHEMICAL NAME & CAS NUMBER

Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	20.00 wt.%
CAS# 68424-85-1	
Didecyl Dimethyl Ammonium Chloride	7.50 wt.%
CAS# 7173-51-5	
Octyl Decyl Dimethyl Ammonium Chloride	15.00 wt.%
CAS# 32426-11-2	
Dioctyl Dimethyl Ammonium Chloride	7.50 wt.%
CAS# 5538-94-3	
10324-51	

EPA REG. NO.

TYPICAL PROPERTIES

Appearance at 25°C	Clear, light straw liquid
% Active Quaternary (MW: 342), wt. %	50.0
Free Amine + Free Amine HCl, wt. %	< 3.0
Ethanol, wt. %	5.0 – 10.0
pH (10% Solution)	6.0 – 9.0
Color (as is), APHA	< 200
Density, lbs./gal.	7.80 – 7.97
Flash Point (Tag Closed Cup)	47°C (116.6°F)
Freezing Point	-5°C (23°F)
Shelf life	2 years

APPLICATIONS

Maquat® MQ615M is a US EPA-registered manufacturing use product (MUP) which limits its use to registered end use products (EUP) like but not limited to sanitizers, disinfectants and other FIFRA regulated applications. 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® MQ615M. 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.

Mason Chemical Company is a listed supplier of Alkyl dimethyl benzyl ammonium chloride (ADBAC/BKC(C12-C16)), CAS No. 68424-85-1, and Didecyl dimethyl ammonium chloride (DDAC (C8-10)), CAS No. 68424-95-3, on the Article 95 List. The combination of these actives is approved for product types 1, 2, 3, 4, 10, 11 and 12.

HANDLING & STORAGE

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® MQ615M should be stored in sealed containers and kept at temperatures not lower than 35°F nor higher than 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® MQ615M is not damaged by freezing.

PACKAGING

Maquat® MQ615M is available in 425 lb. poly drums, 2000 lb. poly totes and bulk quantities.