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MAQUAT® MC1412-80E
PRODUCT DATA SHEET

PDS 863201.3.ACTIVE.06112024

PRODUCT DESCRIPTION

Maquat® MC1412-80E is an 80% active alkyl dimethyl benzyl ammonium chloride, ADBAC, in a hydroalcoholic (ethanol) solution. Maquat® MC1412-80E is an EPA-registered manufacturing use product (MUP).

COMMON CHEMICAL NAME

n-Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride

CAS #

68424-85-1

EPA REG. NO.

10324-14

TYPICAL PROPERTIES

Appearance at 25°C	Clear, light straw liquid
% Active Quaternary (MW: 358), wt. %	80.0
Free Amine + Free Amine HCl, wt. %	< 3.0
Ethanol, wt.%	9.0 – 15.0
pH (10% Solution)	6.0 – 9.0
Color (as is), APHA	< 150
Density, lbs./gal.	7.82 – 7.99
Flash Point (Tag Closed Cup)	42°C (107.6°F)
Freezing Point	0°C (32°F)
Shelf life	2 years

APPLICATIONS

Maquat® MC1412-80E 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® MC1412-80E. 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 on the Article 95 List for product types 1, 2, 3, 4, 8, 10, 11 and 12.

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® MC1412-80E should be stored in sealed containers and kept at temperatures above 45°F. Avoid overheating or freezing. Product may crystalize in cold temperatures If material crystallizes or becomes frozen it should be heated gently, keeping below 100°F, and stirred to ensure it is homogeneous before use. Maquat® MC1412-80E is not damaged by freezing.

PACKAGING

Maquat® MC1412-80E is available in 425 lb. poly. drum, 2000 lb. poly. tote 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.

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