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MAQUAT® MC1416-50
PRODUCT DATA SHEET

PDS 863302.4.ACTIVE.01172025

PRODUCT DESCRIPTION

Maquat® MC1416-50 is an 50% active alkyl dimethyl benzyl ammonium chloride, ADBAC, in a hydroalcoholic (isopropanol) solution. Maquat® MC1416-50 is an EPA-registered manufacturing use product (MUP).

COMMON CHEMICAL NAME

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride

CAS NUMBER

68391-01-5 (Alt. 53516-76-0)

EPA REG. NO.

10324-8

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	< 150
Density, lbs./gal.	7.85 – 8.01
Flash Point (Tag Closed Cup)	43.5°C (110.3°F)
Freezing Point	0°C (32°F)
Shelf life	2 years

APPLICATIONS

Maquat® MC1416-50 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® MC1416-50. 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.

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® MC1416-50 should be stored in sealed containers and kept at temperatures not lower than 41°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® MC1416-50 is not damaged by freezing.

PACKAGING

Maquat® MC1416-50 is available in 440 lb. poly drum, 2200 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.

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