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# MAQUAT® MQ624M
## PRODUCT DATA SHEET

PDS 862101.4.ACTIVE.01172025

**PRODUCT DESCRIPTION**

Maquat® MQ624M is a blend of alkyl dimethyl benzyl ammonium chloride, ADBAC, and dialkyl dimethyl ammonium chloride, DDAC, compounds in a hydroalcoholic solution. Maquat® MQ624M is an EPA-registered manufacturing use product (MUP).

**EPA REG. NO.**

10324-52

**ACTIVE INGREDIENTS**

| | |
|---|---|
| Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride<br>CAS# 68424-85-1 | 32.00 wt.% |
| Octyl decyl dimethyl ammonium chloride<br>CAS# 32426-11-2 | 24.00 wt.% |
| Dioctyl dimethyl ammonium chloride<br>CAS# 5538-94-3 | 12.00 wt.% |
| Didecyl dimethyl ammonium chloride<br>CAS# 7173-51-5 | 12.00 wt.% |
| Total: | 80.00 wt.% |

**TYPICAL PROPERTIES**

| | |
|---|---|
| Appearance at 25°C | Clear, light straw liquid |
| % Active Quaternary (MW: 342), wt. % | 80.0 |
| Free Amine + Free Amine HCl, wt. % | < 4.0 |
| Ethanol, wt.% | 8.0 – 15.0 |
| pH (10% Solution) | 6.0 – 9.0 |
| Color (as is), APHA | < 200 |
| Density, lbs./gal. | 7.61 – 7.78 |
| Flash Point (Tag Closed Cup) | 47°C (116.6°F) |
| Freezing Point | -20°C (-4°F) |
| Shelf life | 2 years |

**APPLICATIONS**

Maquat® MQ624M 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® MQ624M. 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® MQ624M 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® MQ624M is not damaged by freezing.

**PACKAGING**

Maquat® MQ624M is available in 410 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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