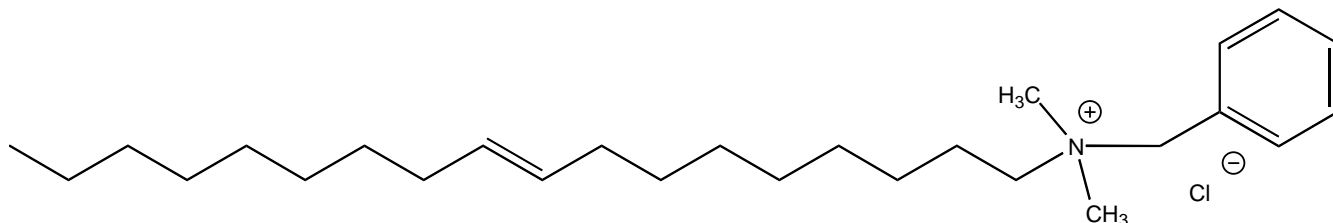




Mason Chemical Company



Maquat[®] OAC



Olealkonium Chloride

Overview

MAQUAT OAC is characterized as an oleyl dimethylbenzyl ammonium chloride in an aqueous solution. OAC is a high quality, low color, water soluble cationic surfactant with excellent substantive properties for use in personal care formulations, textiles and paper.

Naturally Derived



Cationic surfactants have a multitude of uses. Use MAQUAT OAC as a substantive conditioning agent in **Clear Hair Conditioners, Mousses and Styling Gels**, and as an emulsifier and emollient in **Lotions and Creams**.

Look for Olealkonium Chloride in Alberto VO5's new Curvaceous Curls Styling Mousse, Aveda's Elixir, Bumble & Bumbles' Thickening Conditioner, Nexxus' Mousse Plus and other premium Personal Care products.

INCI Name: Olealkonium Chloride

Properties & Specifications

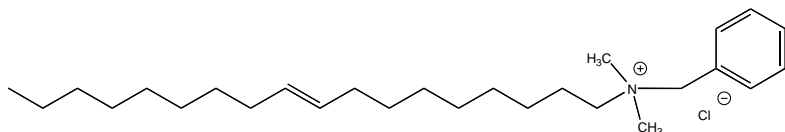
Physical form.....	Pale amber liquid
Active quaternary (m.w. 422)	78.0±2.0%
Free Amine (m.w. 295).....	2% Max.
Viscosity @25°C	<500 cps
Specific Gravity @25°C.....	0.92±0.04
pH, 10% aq.	8.0±1.5%
Flash point (Seta).....	86°F(30°C)
RVOC, U.S. EPA, %	15 (Isopropanol)

Handling Information

Refer to and follow the guidelines in the Material Safety Data Sheet (MSDS) available from Mason Chemical Company for information on the safe use, handling and disposal of this product.

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MAQUAT OAC is an 80% active Olealkonium Chloride in water. OAC is a versatile alternative to Stearalkonium chloride with water solubility and high foaming characteristics. MAQUAT OAC is a consistent low color, low odor product made from the highest quality Naturally Derived raw materials for personal care products applications. The formulation below illustrates a typical application:

Use MAQUAT OAC in **Styling Gels, Mousses and Sprays** as a water soluble conditioning agent with foam characteristics ideal for foam applied products such as the Mousse formulation below. MAQUAT PQ-125 imparts soft, flexible hold, that combined with mild foaming surfactants such as MACAT OB, and penetrating conditioning agents found in ENHANSYS M-110 create a product that protects hair from the damaging effects of blow drying and styling treatments, as illustrated below:

Flexible Hold Styling Mousse

Ingredients:	Wt. %
Water.....	to 100.0
Maquat PQ-125	2.0
Macat OB ⁽⁴⁾	1.5
Maquat OAC ⁽⁵⁾	1.0
Enhansys M-110 ⁽⁷⁾	1.0
Citric acid.....	to pH 5.5-6
Fragrance, Extracts/Oils.....	q.s.

Procedure:

- Charge materials into water with agitation in order listed.
- Adjust pH to 5.5-6.0.
- Add Fragrance and Extracts/Oils such as Aloe Vera, Chamomile and Jojoba.

INCI Names: (4) Oleyl Betaine, (5) Olealkonium Chloride, (7) Glycereth-2 Cocoate (and) Benzoic Acid (and) C4-18 Perfluoroalkylethyl Thiohydroxypropyltrimonium Chloride