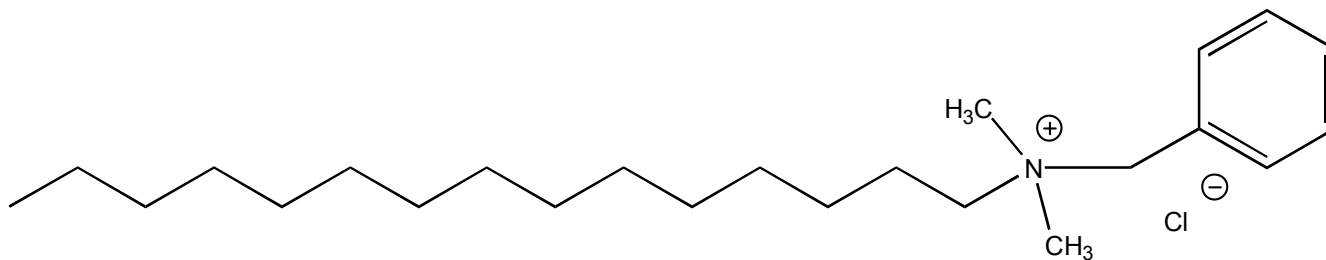


# Maquat<sup>®</sup> CS 428



## Alkyldimethylbenzyl Ammonium Chloride

### Overview

MAQUAT CS 428 is TSCA/CDSL listed 80% active alkyldimethylbenzyl ammonium chloride in a water/ethanol solution, with an alkyl distribution of C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>16</sub> 10%, for use in non-EPA/Canadian registered applications. This product is also available as a 50% active concentrate, MAQUAT CS 425.

Cationic surfactants have a multitude of uses. Use MAQUAT CS 428 as an in-situ anti-foam in **Carpet Extraction Cleaners**, as an emulsifier in **Degreasers, Pine Oil and d-Limonene Cleaners**, and an anti-stat in **Vehicle Cleaners**. Use as a scour in **Textile** finishing plants to remediate mildew odor, and as a general odor control agent in formulated **Sanitation Products**.

While MAQUAT CS 428 is slightly toxic orally, it causes severe skin and extreme eye irritation. As with all chemicals, use with care and caution. Avoid contact with eyes and skin, and use eye protection (goggles), gloves and protective clothing.

### Typical Properties

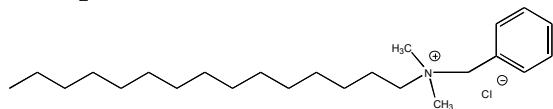
Water solubility .....	Complete
Physical form .....	Colorless to light yellow liquid
Active quaternary (m.w. 358).....	80.0% Minimum
Free Amine & Amine HCl .....	1.5% Maximum
Color, APHA.....	150 Maximum
Specific gravity (25°C) .....	0.93±0.04
Viscosity (25°C) (Brookfield).....	500cps
pH .....	7±1
Flash point (PMCC).....	108°F(42°C)
RVOC, U.S. EPA, % .....	9.5-10.0 (Ethanol)

### 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® CS 428



Maquat CS 428 is an effective fragrance solubilizer and grease cutter in deodorizer formulations. The following formulations illustrate this performance:

## ***“Porta-San” Deodorizer Concentrate***

<b>Ingredients:</b>	<b>Wt. %</b>
<i>Aqueous Phase-</i>	
Water .....	64.50
<b>Maquat CS 428</b> .....	20.00
Isopropyl Alcohol .....	4.00
Acid Blue #9 .....	0.75
<i>Fragrance/Oil Phase-</i>	
Citronella Oil .....	3.00
d-Limonene .....	3.00
Ethyleneglycol monophenylether .....	0.75

### **Procedure:**

Mix ingredients thoroughly in order listed. Add pre-mixed oil phase to pre-mixed aqueous phase. Components should mix “clear” in all proportions.

Dilute 1 ounce concentrate per gallon of water.

Natural Citronella and d-Limonene are safe and effective deodorizer ingredients in this formulation.

## ***Effective Ready-to-Use Deodorizer***

<b>Ingredients:</b>	<b>Wt. %</b>
<i>Aqueous Phase-</i>	
Water .....	94.0
<b>Maquat CS 428</b> .....	0.6
Isopropyl Alcohol .....	3.0
<i>SolventPhase-</i>	
Surfonic N95 .....	1.0
Isopropyl Alcohol .....	1.0
Fragrance .....	0.4

### **Procedure:**

Mix ingredients thoroughly in order listed. Add pre-mixed oil phase to pre-mixed aqueous phase. Components should mix “clear” in all proportions. If necessary, increase N95 by 0.5% increments to solubilize fragrances for clear solutions.

Use “as is.”

Spray directly on odor causing soils as a cleaning pre-step or as an ongoing odor control product.