PILOT® CHEMICAL COMPANY

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MASON® CS-445

PRODUCT DATA SHEET PDS

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PRODUCT DESCRIPTION

Mason® CS-445 is a 50% active didecyl dimethyl ammonium chloride (DDAC) compound in a water and ethanol solution. Mason® CS-445 is a versatile cationic surfactant that can be used in a wide range of applications.

COMMON CHEMICAL NAME

Didecyl dimethyl ammonium chloride

CAS #

7173-51-5

TYPICAL PROPERTIES

Appearance at 25°C	Clear, light straw liquid
% Active Quaternary (MW: 360), wt. %	50.0
Free Amine + Free Amine HCl, wt. %	<3.0
Ethanol, wt.%	5 - 10
pH (10% Solution)	6.0 – 9.0
Color (as is), APHA	< 200
Freeze Point	4ºC (39.2ºF)
Shelf life	2 years

APPLICATIONS

Mason® CS-445 is a cationic surfactant that can be used in H I & I, oilfield, and textile applications. In H I & I cleaner and deodorizer formulas Mason® CS-445 can be used as an emulsifier in degreasers and pine oil and d'limonene cleaners. In vehicle cleaners it can be used as an anti-stat. Mason® CS-445 can be used as a deodorizer to remediate mildew odors in textiles, and as a general odor control agent in formulated sanitation products. Mason® CS-445 is also useful in increasing the cloud point of cationic/nonionic cleaning formulations while enhancing oil/lipid solubilizing performance. Oilfield applications where Mason® CS-445 can be used include corrosion inhibition and clay stabilizing.

ADVANTAGES

The high purity of the starting material delivers a consistent, low color and odor, high performance product that can be differentiated into consistent, high value end-use products.

STORAGE & HANDLING

Refer to the Mason® CS-445 SDS (Safety Data Sheet) before handling. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Material is slippery on wet and hard surfaces. Store in tightly closed container. Do not store with strong oxidizing agents. Avoid excessive heat. Recommended storage temperatures above 41°F. Mason® CS-445 is not damaged by freezing. If material becomes frozen it should be heated gently and stirred to ensure it is homogeneous before use.

PACKAGING

Mason® CS-445 is available in 425 lb. poly. drum and 2000 lb. poly. totes.

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.

RESPONSIBLE CARE®