PILOT CHEMICAL COMPANY

We're going further®

www.pilotchemical.com
9075 Centre Pointe Drive • Suite 400
West Chester, OH 45069

MASON® CS-448

PRODUCT DATA SHEET

PDS 871202.3.ACTIVE.08222023

PRODUCT DESCRIPTION

Mason® CS-448 is an 80% active didecyl dimethyl ammonium chloride (DDAC) compound in a water and ethanol solution. Mason® CS-448 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. %	80.0
Free Amine + Free Amine HCl, wt. %	< 4.0
pH (10% Solution)	6.0 – 9.0
Color (as is), APHA	< 200
Freeze Point	3ºC (34.7ºF)
Shelf life	2 years

APPLICATIONS

Mason® CS-448 is a cationic surfactant that can be used in various products including HI&I deodorizers and cleaners, oil and gas applications and personal care formulations. Mason® CS-448 can be used an emulsifier in degreasers, pine oil and d-Limonene cleaners, and an anti-stat in vehicle cleaners. Mason® CS-448 can be used as a deodorizer to remediate mildew odor in textiles, and as a general odor control agent in formulated sanitation products. Mason® CS-448 is also useful in increasing the cloud point of cationic/nonionic cleaning formulations while enhancing oil/lipid solubilizing performance. Oil field applications include corrosion inhibitors and clay stabilizers. Mason® CS-448 can be used as antistatic and hair conditioning agents in personal care cleansing formulations.

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-448 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. Product may gel between 40-50°F. Mason® CS-448 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-448 is available in 410 lb. poly. drum, 2000 lb. poly. totes 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.

RESPONSIBLE CARE®
OUR COMMITMENT TO SUSTAINABILITY