



K-CARE[®] DODAC PRESERVATIVE

General Description

Diocetyl dimethyl ammonium chloride (DODAC) is an antiseptic/disinfectant that is used in many biocidal applications. It causes disruption of intermolecular interactions and dissociation of lipid bilayers. It is a broad spectrum bactericidal and fungicidal and can be used as disinfectant cleaner for linen, recommended for use in hospitals, hotels and industries.

K-CARE DODAC is cost effective and has excellent compatibility with all cooling water additives, thus eliminating the need to overfeed oxidizing biocides that can degrade expensive additives. It compliments both oxidizing and nonoxidizing biocide programs, including liquid stabilized bromine programs. The combination of cost performance and broad additive compatibility with low foam properties provides superior algacidal and bactericidal performance in all approved applications.

Product Highlight:

- 1, DODAC is a liquid disinfectant and has been used in human and instrument sensitization and industrial applications
- 2, The active ingredient provides broad-spectrum activity against common bacteria, fungi, and algae.
- 3, DODAC is approved for industrial and cosmetic applications.
- 4, DODAC is light yellow liquid with perfume odor; easily soluble in water; good chemical stability; good resistance to heat and light.

Typical Properties

Item	Standards
Active Ingredient: DODAC	78-82%
Molecular Formula	C ₁₈ H ₄₀ ClN
Molecular Weight:	305.9699
EINEC No	226-901-0
Appearance	Color off liquid
pH	5-8 (5 g/l)
Relative Density	approx. 0,5

Applications

1. Dish detergent: Diocetyl Dimethyl Ammonium Chloride is suds boosting, and solubilizing.
2. Emulsifier: Used for cosmetics and shampoo
3. Can be used as sterilizer, antistatic and antiseptic agent and so on.

Disinfectant Concentrations and Contact Times for Products Effective against Novel Coronavirus SARS-CoV-2 (Approve by The World Health Organization)

EPA Reg. No.	Primary Registered Product Name	Active Disinfectant	Disinfectant Concentration (by weight)	Disinfectant Contact Time (min)
1839-248	Stepan Spray Disinfectant Concentrate	Didecyl dimethyl ammonium chloride n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	16.84% 0.105%	Not specified
4091-21	Condor 2	n-Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride Octyl decyl dimethyl ammonium chloride Didecyl dimethyl ammonium chloride	0.15% 0.075% 0.075%	1
47371-129	Formulation HWS-256	n-Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride Didecyl dimethyl ammonium chloride	6.76% 5.07%	Not specified

Regional Offices:

CDI Co.,Ltd, 129 Chungwonsandan-8-gil Mado-myon, Hwasung-si Gyonggi-do Korea 18543
Phone: +82-31-366-3588 Fax: +82-31-366-3598

CDI Co.,Ltd, 46-17 Eunhangnamu-ro Yanggam-myon, Hwasung-si Gyonggi-do, Korea 18633
Phone: +82-31-366-1748 Fax: +82-31-366-1749

ASIA CDI Pte Ltd, 531A Upper Cross Street #04-95 Hong Lim Complex Singapore 051531
Phone: +65-97737948 Fax: +65-68687277

CDI China, No.9 Huanghai Rd, Bohai Chemical Park, Yangkou Town, Shouguang, Shandong, China
Phone: +86-536 5455 627 Fax: +86-536 5455 626

The information contained in this document and the various products described are intended for use only by persons having technical skill and at their own discretion and risk after they have performed necessary technical investigations, tests and evaluations of the products and their uses. While the information herein is believed to be reliable, we do not guarantee its accuracy and a purchaser must make its own determination of a product's suitability for purchaser's use, for the protection of the environment, and for the health and safety of its employees and the purchasers of its products. Neither CDI nor its affiliates shall be responsible for the use of this information, or of any product, method, or apparatus described in this document. Nothing herein waives any of CDI's or its affiliates' conditions of sale, and WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS OF ANY PRODUCT FOR A PARTICULAR USE OR PURPOSE. We also make no warranty against infringement of any patents by reason of purchaser's use of any product described in this document.