



K-CARE® DDAC80 PRESERVATIVE

General Description

Didecyldimethylammonium chloride (DDAC) 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 DDAC 80 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, DDAC 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, DDAC is approved for industrial and cosmetic applications.

Typical Properties

Item	Standards
Active Ingredient: DDAC	78-82%
Appearance	Catlonie light yellow to white
Free amine+ amine hydrochloride %	2 Max
pH (10°C aqueous solution)	4.0 – 8.0
C ₂ H ₅ OH	20 Max
APHC	9.0~10.5°C

Applications

1. Hard surface disinfectant for food processing plants, hospitals and institutions.
2. Water treatment (in oil drilling, swimming pools)
3. Laundry disinfectant;
4. Disinfectant Wipes
4. Wood preservation

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

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