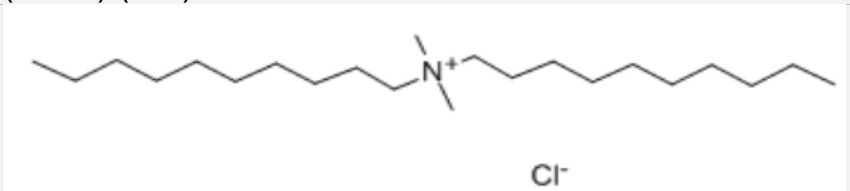


**Product Name:****Didecyl Dimethyl Ammonium Chloride (DDAC) 80%****PRODUCT DESCRIPTION**

DDAC, also be referred to as **quaternary ammonium compound (Quat)**, often used in disinfectants and sanitizers. Other possible names can include Alkyl dimethyl benzyl ammonium chloride when part of mixtures with related compounds.

PROPERTIES

- DDAC is a kind of cationic surfactant, belonging to nonoxidizing biocide. It can efficiently withhold algae propagation and sludge reproduction.
- DDAC also has dispersing and penetrating properties, can penetrate and remove sludge and algae, has advantages of low toxicity, no toxicity accumulation, soluble in water, convenient in use, unaffected by water hardness.
- DDAC can be also used as anti-mildew agent, antistatic agent, emulsifying agent and amendment agent in woven and dyeing fields.

CAS No.:	7173-51-5
Molecular weight:	362.0762
Molecular Formula:	$(C_{10}H_{21})_2(CH_3)_2NCl$
Structural Formula:	

SPECIFICATIONS

Appearance	Colorless to light yellow transparent liquid
Active Content	80% MIN.
pH (1% aqueous solution)	5 - 9
Free Amine	2.0% MAX.
Shelf Life	2 years when stored in a shady and dry place

USAGE

- As a **non-oxidizing biocide**, a dosage of **50-100 mg/L** is typically recommended. For use as a **sludge remover**, the dosage increases to **200-300 mg/L**, with the addition of an appropriate **organosilicon antifoaming agent** to prevent excessive foaming during application.

- This product can be used synergistically with other fungicidal agents like **isothiazolinones, glutaraldehyde, and dithionitrile methane**, but it should **not** be mixed with **chlorophenols**. If sewage forms after adding this product to circulating cooling water, it should be filtered or removed promptly to prevent settling at the bottom of the collection tank once foam has dissipated.
- Additionally, it is important to avoid blending this product with **anionic surfactants**, as it may affect its efficacy.

PACKAGE AND STORAGE

- This product is available in **plastic drums** or **Totes** and can be packaged according to the customer's requirements.
- It should be stored for up to **two years** in a **cool, shady, and dry place** to maintain its stability.

SAFETY PROTECTION

- The product has a faint **almond-like odor** and causes **no visible irritation** to the skin.
- In case of direct contact, flush the affected area with plenty of water to ensure safety.

***Disclaimer:** The information in this document is believed to be accurate and sourced from reliable sources but is provided without any warranty regarding its accuracy or completeness. It is the user's responsibility to assess the suitability of this product and the relevance of the information for its intended use. We do not accept liability for the use, handling, storage, or disposal of this product.*

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