



**Blue Lotus Chem**

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# SAFETY DATA SHEET

**Product Name:**

## Didecyl Dimethyl Ammonium Chloride (DIDAC) 80%

### 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

**Product Name:** Didecyl dimethyl ammonium chloride

**CAS #:** 7173-51-5

**Product Use:** Industry water treatment

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** Blue Lotus Chem LLC

**Address:** 25219, Kuykendahl Road, Suite 210,  
Tomball, TX 77375, USA



**Phone:** +1 (346) 468 -1525

**Email:** support@bluelotuschem.com

**Information Department:** R&D

**Emergency Telephone Number:** +1 703 527 3887 / 800 424 9300

### 2. HAZARD(S) IDENTIFICATION

**Classification of the Substance or Mixture:**



**Signal word**     **Danger**

Hazardous in case of skin contact (irritant), eye contact (irritant), of ingestion, of inhalation.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May cause digestive tract irritation.

Inhalation: May cause inhalation if the liquid is contacted.

It is considered a low hazard for usual industrial handling.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Active Component:** 79 ~ 81
- **PH:** 5 ~ 9
- **Free Amine:** ≤2%

### 4. FIRST- AID MEASURES

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush your eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reusing. Thoroughly clean shoes before reusing them. Get medical attention immediately.

**Serious Skin Contact:**

Wash with disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:**

If inhaled, remove fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Serious Inhalation:**

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous for the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

## 5. FIRE AND EXPLOSION DATA

- **Flammability of the Product:** not flammable
- **Auto-Ignition Temperature:** Not available.
- **Flash Points:** not available
- **Flammable Limits:** Not available.
- **Products of Combustion:** Not available.

## 6. SPILL/ACCIDENTAL RELEASE MEASURES:

- **Small Spill:** Use appropriate tools to put the spilled liquid in a convenient waste disposal container.
- **Large Spill:** Corrosive liquid.  
Stop leak if without risk. Do not touch spilled material. Use water spray to reduce vapor. Eliminate all ignition sources. Call for assistance at your disposal.

## 7. HANDLING AND STORAGE

- Keep away from other chemicals.
- Keep away from eyes and skin.

**Storage:**

- Keep the container tightly closed.

- Keep the container in a cool, well-ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal Protection:

Impervious gloves and safety glasses should be used when handling liquid.

Under normal manufacturing conditions, dust respirators are required when using this product and be sure to use an approved/certified respirator or equivalent.

Exposure Limits: Not available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** colorless to light yellow clear liquid

**Structure formula mass:**  $C_{22}H_{48}NCl$

**Molecular Weight:** 362.5g/mole

**Odor:** slight almond

**Solubility:** Soluble in water

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat, dust generation, moisture, incompatible materials.

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Not available.

## 12. ECOLOGICAL INFORMATION

No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. TRANSPORT INFORMATION

Proper shipping name:	Didecyl dimethyl ammonium chloride
DG Class:	8+6.1
UN Number:	2922
Label:	Corrosive N.O.S.
Package:	Plastic drums

## 15. REGULATORY INFORMATION

**Product Description:** Didecyl Dimethyl Ammonium Chloride

**In Current Chinese Chemical Inventory:** Yes

**Severe Toxin Classification, Sort and Description No. (GB57-93):** Not available

**Fatal Hazard Sources Labeling:** No regulation

## 16. OTHER INFORMATION

All the information in the MSDS is from our latest database, it is only for users' reference, users should prepare their own operating regulation in accordance with practical situations.

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