SAFETY DATA SHEET

Section 1 - Identification

Product Identifier
SANIQUAT Disinfectant Sanitizer Deodorizer

Other means of identification
0125

Recommended use
Disinfectant.

Recommended restrictions
For commercial and industrial use only.

Manufacturer / Importer / Supplier / Distributor Information

Company Name
National Chemical Laboratories of PA, Inc.

Address
401 N. 10th Street - Philadelphia, PA 19123

Telephone
1 (215) 922-1200

Supplier Email
info@nclonline.com

Contact
CHEM-TEL

Emergency Phone
1 (800) 255-3924

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Health Hazards</td>
<td>4</td>
</tr>
<tr>
<td>Acute toxicity, oral</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>1</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>1B</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>Hazardous to the aquatic environment, long-term hazard.</td>
</tr>
<tr>
<td>OSHA defined hazards</td>
<td>Not Classified.</td>
</tr>
</tbody>
</table>

Section 3 - Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Didecyl dimethyl ammonium chloride</td>
<td>7173-51-5</td>
<td>5 - &lt;10</td>
</tr>
<tr>
<td>Alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>68424-85-1</td>
<td>3 - &lt;5</td>
</tr>
</tbody>
</table>

Section 4 - First-aid Measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center.
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Section 5 - Fire-fighting measures

- **Suitable extinguishing media**: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
- **Unsuitable extinguishing media**: Do not use water jet as an extinguisher, as this will spread the fire.
- **Specific hazards arising from the chemical**: During fire, gases hazardous to health may be formed.
- **Special protective equipment and precautions for firefighters**: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- **Fire-fighting equipment/instructions**: Move containers from fire area if you can do so without risk.
- **General fire hazards**: Use standard firefighting procedures and consider the hazards of other involved materials.
- **Specific Methods**: No unusual fire or explosion hazards noted.

Section 6 - Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
- **Methods and materials for containment and cleaning up**: This product is miscible in water. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
- **Environmental precautions**: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

- **Precautions for safe handling**: Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
- **Conditions for safe storage, including any incompatibilities**: Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

- **Occupational exposure limits**: This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit. No biological exposure limits noted for the ingredient(s).
- **Appropriate engineering controls**: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
- **Individual protection measures, such as personal protective equipment**:
  - **Eye/face protection**: Wear safety glasses with side shields (or goggles) and a face shield.
  - **Skin protection**: Wear appropriate chemical resistant gloves.
  - **Hand protection**: Wear appropriate chemical resistant clothing.
  - **Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment.
  - **Thermal hazards**: Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations
Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Section 9 - Physical and chemical properties

**Appearance**
- Physical state: Liquid.
- Form: Clear, thin liquid.
- Color: Colorless.
- Odor: Slight detergent, characteristic.
- Odor threshold: Not available.
- pH: 6 - 8
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: > 212 °F (> 100 °C)
- Flash point: > 212.0 °F (> 100.0 °C) Closed Cup
- Evaporation rate: Not available.
- Flammability (solid, gas): Not applicable.

**Upper/lower flammability or explosive limits**
- Flammability limit - lower (%): Not available.
- Flammability limit - upper (%): Not available.
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.
- Vapor pressure: Not available.
- Vapor density: Not available.
- Relative density: 0.989 ± 0.01
- Relative density temperature: 75 °F (23.9 °C)
- Solubilities (water): Soluble
- Partition Coefficient: Not available
- n-octanol/water: Not available
- Auto-ignition temperature: Not Available
- Decomposition temperature: Not Available
- Viscosity: 15.42 cSt
- Viscosity Temperature: 75 °F (23.9 °C)

### Section 10 - Stability and reactivity

- Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
- Chemical stability: Material is stable under normal conditions.
- Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
- Conditions to Avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
- Incompatible materials: Strong oxidizing agents.
- Hazardous Decomposition Products: No hazardous decomposition products are known.

### Section 11 - Toxicological information

**Information on likely routes of exposure**
- Ingestion: Causes digestive tract burns. Harmful if swallowed.
- Inhalation: May cause irritation to the respiratory system.
- Skin contact: Causes severe skin burns.
- Eye contact: Causes serious eye damage.
- Symptoms related to the physical, chemical and toxicological characteristics: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Information on toxicological effects.**
**Acute toxicity**
Harmful if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Level</th>
<th>Type</th>
<th>Code</th>
<th>Species</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl dimethyl benzyl ammonium chloride (C12-16) (CAS 68424-85-1)</td>
<td>Acute</td>
<td>Dermal</td>
<td>LD50</td>
<td>Rat</td>
<td>3560 mg/kg</td>
</tr>
<tr>
<td>Didecyl dimethyl ammonium chloride (CAS 7173-51-5)</td>
<td>Acute</td>
<td>Oral</td>
<td>LD50</td>
<td>Rat (Male / Female)</td>
<td>430 mg/kg / 3140 / 2730 mg/kg</td>
</tr>
</tbody>
</table>
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**Skin corrosion/irritation**
Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation**
Causes serious eye damage.

**Respiratory sensitization**
This product is not expected to cause skin sensitization.

**Skin sensitization**
Not a respiratory sensitizer.

**Germ cell mutagenicity**
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**
Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity**
This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
Not classified.

**Specific target organ toxicity - repeated exposure**
Not classified.

**Aspiration hazard**
Not an aspiration hazard.

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### Section 12 - Ecological Information

**Ecotoxicity**
Very toxic to aquatic life with long lasting effects.

**Component(s)**
Alkyl dimethyl benzyl ammonium chloride (C12-16), 68424-85-1

**Aquatic**

<table>
<thead>
<tr>
<th>Level</th>
<th>Type</th>
<th>Code</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Acute</em></td>
<td><em>Fish</em></td>
<td>EC50</td>
<td>Oncorhynchus mykiss (rainbow trout)</td>
<td>&gt;0.022 mg/l, 96 hours</td>
</tr>
<tr>
<td><em>Chronic</em></td>
<td><em>Crustacea</em></td>
<td><em>NOEL</em></td>
<td>Daphnia</td>
<td>0.0042 mg/l</td>
</tr>
<tr>
<td><em>Acute</em></td>
<td><em>Fish</em></td>
<td><em>LC50</em></td>
<td>Bluegill (Lepomis macrochirus)</td>
<td>0.515 mg/l</td>
</tr>
</tbody>
</table>

Didecyl dimethyl ammonium chloride, 7173-51-5

**Aquatic**

<table>
<thead>
<tr>
<th>Level</th>
<th>Type</th>
<th>Code</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Acute</em></td>
<td><em>Algae</em></td>
<td>EC50</td>
<td>Algae</td>
<td>0.062 mg/l, 72 h</td>
</tr>
<tr>
<td><em>Chronic</em></td>
<td><em>Crustacea</em></td>
<td><em>NOEC</em></td>
<td>Daphnia</td>
<td>0.01 mg/l</td>
</tr>
<tr>
<td><em>Acute</em></td>
<td><em>Crustacea</em></td>
<td><em>NOEC</em></td>
<td>Daphnia</td>
<td>0.021 mg/l, 21 d</td>
</tr>
<tr>
<td><em>Acute</em></td>
<td><em>Fish</em></td>
<td><em>LC50</em></td>
<td>Bluegill (Lepomis macrochirus)</td>
<td>0.032 mg/l, 96 h</td>
</tr>
<tr>
<td><em>Acute</em></td>
<td><em>Fish</em></td>
<td><em>LC50</em></td>
<td>Danio rerio</td>
<td>0.97 mg/l, 96 h</td>
</tr>
</tbody>
</table>

**Persistence and degradability**
No data available.

**Bioaccumulative potential**
No data available.

**Mobility in soil**
No data available.

**Other adverse effects**
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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### Section 13 - Disposal considerations

**Disposal instructions**
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying.

(For containers 5 gallons or less):
Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

(For containers greater than 5 gallons):
Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

**Local disposal regulations**
Dispose in accordance with all applicable regulations.

**Hazardous waste code**
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Section 14 - Transport information**

**DOT**
- UN number: UN1903
- Proper shipping name: DISINFECTANT LIQUID CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
- Transport hazard class(es): 8
- Packing group: III
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
- Labels required: 8
- Special provisions: IB3, T4, TP1
- Packaging exemption: 154
- Packaging non bulk: 203
- Packaging bulk: 241

**IATA**
- UN number: UN1903
- UN proper shipping name: DISINFECTANT LIQUID CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
- Transport hazard class(es): 8
- Packing group: III
- Environmental hazards: No
- ERG Code: 8L
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

**IMDG**
- UN number: UN1903
- UN proper shipping name: DISINFECTANT LIQUID CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUND)
- Transport hazard class(es): 8
- Packing group: III
- Environmental hazards: No
- Marine pollutant: No
- EmS: F-A, S-B
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

**General Information**
- Other Information: This substance/mixture is not intended to be transported in bulk.

**Section 15 - Regulatory Information**

**US federal regulations**
- This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- This product is a U.S. EPA registered pesticide.
- CERCLA Hazardous Substance List (40 CFR 302.4): Not Listed
- Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard Categories:
  - Immediate Hazard: Yes
  - Delayed Hazard: No
  - Fire Hazard: No
  - Pressure Hazard: No
  - Reactivity Hazard: No
  - SARA 302 Extremely hazardous substance: No
  - SARA 311/312 Hazardous chemical: Yes
  - SARA 313 (TRI reporting): Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List**: Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**: Not regulated.

**Safe Drinking Water Act (SDWA)**: Not regulated.

**Food and Drug Administration (FDA)**: Not regulated.

**US state regulations**
- US.Massachusetts RTK - Substance List
- US.New Jersey Worker and Community Right-to-Know Act
- US.Pennsylvania RTK - Hazardous Substances
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International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>US, Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s).

*A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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Section 16 - Other information, including date of preparation or last version

| Revision date | 5/20/2020 |
| Version #     | 03        |

Further information

Some information may conflict with EPA mandated label information.

Disclaimer

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer’s control, it is the user’s responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product’s improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.