**SECTION 1: Identification**

**Product identifier**

Product name  Sani-Guard 24-7  
Product number  181000.1000  

**Recommended use of the chemical and restrictions on use**

Food service sanitizer

*Product AT USE DILUTION: 1:256*

**Supplier's details**

Name  California Prison Industry Authority  
Address  CSP-Los Angeles County  
          44750 60th Street West  
          Lancaster, CA 93536  
Telephone  (661) 729-2000 Ext. #7930  

Emergency phone number(s)  
1 (800) 424-9300

**SECTION 2: Hazard identification**

**Classification of the substance or mixture**

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

**Product AS SOLD**

- Acute toxicity, oral, Cat. 4  
- Eye damage/irritation, Cat. 1  
- Skin corrosion/irritation, Cat. 1B

*Product AT USE DILUTION: 1:256*

Eye damage/irritation, Cal. 2B

**GHS label elements, including precautionary statements**

**Product AS SOLD**

Pictogram

*As diluted by end user*
**Safety Data Sheet**

**Sani-Guard 24-7**

**Signal word**

**Hazard statement(s)**

- **H302** Harmful if swallowed
- **H314** Causes severe skin burns and eye damage
- **H318** Causes serious eye damage

**Precautionary statement(s)**

- **P260** Do not breathe dust/fume/gas/mist/vapors/spray.
- **P264** Wash skin thoroughly after handling.
- **P270** Do not eat, drink or smoke when using this product.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P301+P312** IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell,
- **P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- **P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **P310** Immediately call a POISON CENTER or doctor.
- **P330** Rinse mouth.
- **P363** Wash contaminated clothing before reuse.
- **P405** Store locked up.
- **P501** Dispose of contents/container to an approved waste disposal plant.

*Product AT USE DILUTION: 1:256*

**Pictogram**

**Signal Word**

**Hazard statement(s)**

- **H320** Causes eye irritation

**Precautionary statement(s)**

- **P264** Wash skin thoroughly after handling.
- **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **P337+P313** If eye irritation persists: Get medical advice/attention.

*As diluted by end user*
Safety Data Sheet  

**SECTION 3: Composition/information on ingredients**

**Product AS SOLD**

**Hazardous components**

1. **Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides**  
   **Concentration** 5 - 10 % (Weight)  
   **CAS no.** 68424-95-3

2. **Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides**  
   **Concentration** 2 - 5 % (Weight)  
   **CAS no.** 68424-85-1

3. **Ethanol**  
   **Concentration** 0.5 - 2 % (Weight)  
   **CAS no.** 64-17-5

*Product AT USE DILUTION: 1:256*

**Hazardous components**

1. **Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides**  
   **Concentration** 0.02 – 0.04 % (Weight)  
   **CAS no.** 68424-95-3

2. **Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides**  
   **Concentration** 0.008 – 0.02 % (Weight)  
   **CAS no.** 68424-85-1

3. **Ethanol**  
   **Concentration** 0.001 – 0.008 % (Weight)  
   **CAS no.** 64-17-5

*Trade secret statement (OSHA 1910.1200(i))**

Exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4: First-aid measures**

**Description of necessary first-aid measures**

**Product AS SOLD**

**General advice**  
Consult a physician. Show this safety data sheet to the doctor in attendance.  
Move out of dangerous area.

**If inhaled**  
Remove person to fresh air and keep comfortable for breathing.

*As diluted by end user*
Safety Data Sheet

Sani-Guard 24-7

Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

In case of skin contact
Take off immediately all contaminated clothing. Wash with plenty of soap and water for at least 15 minutes. Call a poison center or doctor if you feel unwell. Wash contaminated clothing before reuse.

Acute and delayed symptoms and effects: Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

In case of eye contact
Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Acute and delayed symptoms and effects: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

If swallowed
Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: Harmful if swallowed. Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen.

Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

*Product AT USE DILUTION: 1:256

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain

In case of skin contact
Wash with plenty of water. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

In case of eye contact
Rinse cautiously with plenty of water. If eye irritation persists get medical advice/attention.

Acute and delayed symptoms and effects: Causes eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

*As diluted by end user

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If swallowed
Rinse mouth. Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

SECTION 5: Fire-fighting measures

Product AS SOLD and at USE DILUTION (1:256)

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical
No data available.

Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

Product AS SOLD

Personal precautions, protective equipment and emergency procedures
Wear respiratory protection if necessary. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

Environmental precautions
Do not let concentrated product enter drains.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of in accordance with local and national regulations. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

*Product AT USE DILUTION: 1:256

Personal precautions, protective equipment and emergency procedures
Product AS SOLD

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2. For Personal Protective Equipment see section 8.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)
Apart from the uses mentioned in section 1 no other specific uses are stipulated.

*Product AT USE DILUTION: 1:256

Precautions for safe handling
Avoid contact with skin and eyes. For Personal Protective Equipment see section 8.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)
Apart from the uses mentioned in section 1 no other specific uses are stipulated
SECTION 8: Exposure controls/personal protection

Product AS SOLD

Control parameters

CAS: 64-17-5

Ethyl alcohol (Ethanol)

ACGIH (USA): (ST) 1000 ppm TLV® inhalation; Cal/OSHA: 1000 ppm PEL inhalation; NIOSH: 1000 ppm REL inhalation; OSHA: 1000 ppm PEL inhalation; 1900 mg/m³ PEL inhalation

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment. Ensure that eyewash stations and/or safety showers are close to the workstation location if working with concentrated product.

Skin protection

Wear protective gloves (rubber, chemical resistant). Consult manufacturer specifications for further information.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

Thermal hazards

No data available.

Environmental exposure controls

Do not let concentrated product enter drains.

*Product AT USE DILUTION: 1:256

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Eye protection is recommended if splash hazard. Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.
Skin protection
Protective gloves (rubber, chemical resistant) should be considered under certain circumstances (e.g., skin sensitivity).

Body protection
No special protective clothing is required.

Respiratory protection
Not required under normal use conditions.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Product AS SOLD</th>
<th>*Product AT USE DILUTION: 1:256</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form</td>
<td>Clear liquid</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
<td>Odorless</td>
</tr>
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<td>Odor threshold</td>
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<td>pH</td>
<td>6 to 8</td>
<td>6 to 8</td>
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<td>No data available.</td>
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<tr>
<td>range</td>
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<td></td>
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<tr>
<td>Flash point</td>
<td>&gt; 65 °C (149 °F) (PMCC)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
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</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td></td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
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<td></td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
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<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.001 (Water = 1)</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
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<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
<td></td>
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<tr>
<td>Decomposition temperature</td>
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<td>Viscosity</td>
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<tr>
<td>Explosive properties</td>
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<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

Product AS SOLD and AT USE DILUTION: 1:256

Reactivity
Stable under recommended storage conditions.

Chemical stability
Stable under normal storage conditions.

Possibility of hazardous reactions
No data available.

Conditions to avoid
Incompatible products.

*As diluted by end user
Incompatible materials
Strong oxidizing agents. Reducing agents.

Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Acute toxicity

<table>
<thead>
<tr>
<th>Route</th>
<th>Product AS SOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>366 mg/kg (rat), Method: FIFRA</td>
</tr>
<tr>
<td>Dermal</td>
<td>645 mg/kg (rabbit),</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

Component Toxicity:
Didecyldimethylammonium chloride:
LD50 Oral - Rat - 84 mg/kg

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:
LD50 Oral - Rat - 344 mg/kg
LD50 Skin - Rabbit - 3340 mg/kg

Ethanol:
LD50 Oral - Rat - 10,470 mg/kg
LD50 Skin - Rabbit - 15,800 mg/kg
LD50 Inhalation - Rat - 30,000 mg/l - 4 h

Product AS SOLD

Symptoms (including delayed and immediate effects):

Inhalation:
May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion:
Harmful if swallowed. Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen.

Skin corrosion/irritation
Harmful in contact with skin. Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

Serious eye damage/irritation
Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

*Product AT USE DILUTION: 1:256
>2,000 mg/kg (rat), calculated
>2,000 mg/kg, calculated
No data available.

*As diluted by end user

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**Product AT USE DILUTION: 1:256**

**Symptoms (including delayed and immediate effects):**

**Inhalation:**
May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Ingestion:**
May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Skin corrosion/irritation:**
May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

**Serious eye damage/irritation:**
Causes eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

---

**Product AS SOLD**

**Respiratory or skin sensitization**
No data available.

**Germ cell mutagenicity**
No data available.

**Carcinogenicity**
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans - Ethanol
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**
No data available.

**STOT-single exposure**
No data available.

**STOT-repeated exposure**
No data available.

**Aspiration hazard**
No data available.

---

**SECTION 12: Ecological information**

**Product AS SOLD**

**Toxicity**
Components:
Safety Data Sheet

Sani-Guard 24-7

Ethanol:
EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h
LC50 - Pimephales promelas (fathead minnow) - 14,200 mg/l - 96 h
LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:
EC50 - Lemna gibba - 0.12 mg/l - 7 d
LC50 - Pimephales promelas (fathead minnow) - 0.28 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 0.016 mg/l - 48 h
NOEC - Pimephales promelas (fathead minnow) - 0.03 mg/l - 34 d
NOEC - Daphnia magna (water flea) - 0.0042 mg/l - 21 d
ErC50 - Pseudokirchneriella subcapitata (green algae) - 0.049 mg/l - 72 h
ErC50 - Algae - 0.089 mg/l - 96 h
EC50 - Activated sludge - 7.75 mg/l - 3 h

Persistence and degradability
Components

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:
OECD Confirmatory Test (OECD 303 A) - >90 %
Modified SCAS Test (OECD 302 A) - >99 % - 7 d
CO2 Evolution Test (OECD 301 B) - 95.5% - 28 d
Result: Concentration: 5mg/L; Result: Readily biodegradable.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Product AS SOLD

Disposal of the product
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging
Triple rinse containers.

*As diluted by end user
SECTION 14: Transport information

Product AS SOLD

DOT (US)
UN Number: UN1903
Class: 8
Packing Group: III
Proper Shipping Name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Dialkyldimethylammonium chloride)

SECTION 15: Regulatory information

Product AS SOLD

Safety, health and environmental regulations specific for the product in question

EPA registration
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

Signal word: DANGER!
Hazard statements: Harmful if swallowed or absorbed through the skin. Corrosive. Causes irreversible eye damage and skin burns.
EPA No.: 6836-266-10970

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components
Chemical name: Ethanol
CAS number: 64-17-5

Pennsylvania Right To Know Components
Didecyldimethylammonium chloride
CAS-No. 7173-51-5

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
CAS-No. 68424-85-1

Ethanol
CAS-No. 64-17-5

New Jersey Right To Know Components
CAS-No. 7173-51-5

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
CAS-No. 68424-85-1

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Ethanol  
CAS-No.  64-17-5

California Prop. 65 Components  
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

SECTION 16: Other information

Further information/disclaimer  
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall California Prison Industry Authority be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if California Prison Industry Authority has been advised of the possibility of such damages.

*As diluted by end user