

**Safety Data Sheet: SANI-GUARD 24-7**

CONCENTRATE & DILUTION INFORMATION (See shaded area for dilution information)

**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  
USA

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**

- Flammable liquids, Cat. 4
- Skin corrosion/irritation, Cat. 1B
- Eye damage/irritation, Cat. 1
- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

**\*Product AT USE DILUTION: 1:256**  
Eye damage/irritation, Cal. 2B

**GHS label elements, including precautionary statements**

**Product AS SOLD**

## Pictogram



## Signal word

Danger

## Hazard statement(s)

H227

H314

H400

H411

Combustible liquid

Causes severe skin burns and eye damage

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

## Precautionary statement(s)

P210

P264

P273

P280

P301+P330+P331

P303+P361+P353

P304+P340+P310

P305+P351+P338+P310

P363

P370+P378

P391

P403+P235

P405

P501

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Wash hands thoroughly after handling.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Wash contaminated clothing before reuse.

In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Collect spillage.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

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## 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.

## Other hazards which do not result in classification

No data available.

### 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 1 - 5 % (Weight)\*  
CAS no. 68424-85-1

##### 3. Ethanol

Concentration 1 - 5 % (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 0.004 – 0.02 % (Weight)  
CAS no. 68424-85-1

##### 3. Ethanol

Concentration 0.004 – 0.02 % (Weight)  
CAS no. 64-17-5

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

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

### 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.

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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

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: Treat symptomatically.

#### \*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.

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.

#### **Indication of immediate medical attention and special treatment needed, if necessary**

Notes to Physician: Treat symptomatically.

## **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**

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.

**SECTION 7: Handling and storage****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 at room temperature and keep 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 at room temperature and keep 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/m<sup>3</sup> 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

	<b>Product AS SOLD</b>	<b>*Product AT USE DILUTION: 1:256</b>
Physical state	Liquid.	Liquid
Odor	Mild	Odorless
pH	6 to 8	6 to 8
Melting point/freezing point	No data available.	
Boiling point or initial boiling point or boiling range	No data available.	
Flammability	No data available.	
Lower and upper explosion limit/flammability limit	No data available.	
Flash point	> 65 °C (149 °F) (PMCC)	
Auto-ignition temperature	No data available.	
Decomposition temperature	No data available.	
Kinematic viscosity	No data available.	
Solubility	No data available.	
Partition coefficient n-octanol/water (log value)	No data available.	
Vapor pressure	No data available.	
Density and/or relative density	1.001 (Water = 1)	
Relative vapor density	No data available.	
Particle characteristics	No data available.	

## 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.

**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**

	<b>Product AS SOLD</b>	<b>*Product AT USE DILUTION: 1:256</b>
Oral	366 mg/kg (rat), Method: FIFRA	>2,000 mg/kg (rat), calculated
Dermal	645 mg/kg (rabbit),	>2,000 mg/kg, calculated
Inhalation	No data available.	No data available.

**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****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:

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

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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<sup>2</sup>

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.

## SECTION 14: Transport information

### Product AS SOLD

#### DOT (US)

UN Number: UN1760

Class: 8

Packing Group: II

Proper Shipping Name: Corrosive liquids, 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**

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

**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

## California Cleaning Product Right to Know Act of 2017 (SB 258)

Component name	CAS number	Function
Dicapryl/Dicaprylyl Dimonium Chloride	68424-95-3	Surfactant
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride	68424-85-1	Disinfectant
Ethanol	64-17-5	Solvent

**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.