

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.

***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.

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 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.

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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

*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

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 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)

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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

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

	Product AS SOLD	*Product AT USE DILUTION: 1:256
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 soil²

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

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.