SAFETY DATA SHEET

Date issued : 08/07/2025
SDS number : 1964_SAN

Sani 512

1. Identification

Product identifier: Sani 512
Product description: Sanitizer, Disinfectant, Deodorant
Chemical family: Quaternary Ammonium Chloride
Relevant identified uses: Food service sanitizer

Manufacturer / Supplier
MISCO Products Corporation
1048 Stinson Drive
Reading, PA 19605
Customer Service: 800-548-4568
Transportation: 800-548-4568

Emergency telephone number (24 hour)
VelocityEHS (Medical and Transportation): 800-255-3924
POISON CONTROL CENTER (Medical): 800-222-1222

EPA reg. No.: 6836-266-8325

2. Hazard identification

Classification of the substance or mixture
Flammable Liquids, Category 4
Health hazards:
Skin Corrosion, Category 1B
Serious Eye Damage, Category 1
Environmental hazards:
Short-term (acute) aquatic hazard, Category 1
Long-term (chronic) aquatic hazard, Category 2

Label elements

Corrosion

Environment

Signal word: DANGER

Hazard statement(s)
H227: Combustible liquid.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s)
Prevention:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response:
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 [or 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/physician.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391: Collect spillage.
Storage:
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:
P501: Dispose of contents/container according to all local, state and Federal regulations.

Emergency overview

Physical appearance: Clear Liquid

Immediate concerns: Corrosive to the eyes and skin. Harmful if swallowed.

Potential health effects

Eye: Corrosive, contact causes severe eye burns.

Skin: Corrosive to skin.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed.

Inhalation: Vapors may be irritating to eyes and respiratory tract.

Reproductive toxicity

Reproductive toxicity: None known.

Teratogenic effects: None known.

Carcinogenicity: None known.

Mutagenicity: None known.

Routes of entry: Eye, skin, ingestion, inhalation.

Warning caution labels: Corrosive

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Didecyl dimethyl ammonium chloride	≥ 5 - 10	68424-95-3
Alkyl (C12-16) dimethylbenzyl ammonium chloride	≥ 3 - 5	68424-85-1
Ethanol	≥ 1 - 3	64-17-5
Water	80 - 90	7732-18-5

4. First-aid measures

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Most important symptoms and effects, both acute and delayed

Eye: Severe burning sensation, damage marked by burns.

Skin: Burning sensation, redness.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed. Corrosive to mouth and upper gastrointestinal tract.

Inhalation: Irritation of nose, throat and lungs with coughing.

Acute effects: Corrosive to eyes and skin. Harmful if swallowed

5. Fire-fighting measures

Flammable class: None

Suitable extinguishing media: Water Spray, alcohol-resistant foam, dry chemical

Explosion hazards: None

Fire fighting procedures: Heating or fire can release toxic gas. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous decomposition products: Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

6. Accidental release measures

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

Environmental precautions

Water spill: Avoid discharges into open waterways and notify your local emergency services if this occurs.

Land spill: Avoid discharge to soil.

Air spill: NA = Not Applicable

General procedures: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled

material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

Release notes: Product is very toxic to aquatic life.

Special protective equipment: Eye protection, rubber gloves, rubber boots to protect feet.

7. Handling and storage

General procedures: Keep away from heat, sparks, and open flame. Keep away from open flames, hot surfaces, and sources of ignition. Take any precaution to avoid mixing with combustibles. Keep away from clothing and other combustible materials.

Precautions for safe handling: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Conditions for safe storage: Keep container tightly closed. Keep in a well-ventilated place. Electrical installations/working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sunlight. Keep out of reach of children.

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Appropriate engineering controls: General ventilation adequate under normal conditions of use.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles, face shield, or safety glasses.

Skin protection - hand protection: Rubber or other chemical resistant gloves.

Respiratory protection: A respirator is not needed under normal and intended conditions of product use.

Skin protection - other: Suitable protective clothing required by employer code.

Occupational hygiene practices: Always wash hands after handling chemical products, and before smoking, eating, drinking, or using toliet. Wash contaminated clothing or protective equipment before storage and re-use.

9. Physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor: Fragrance free

Odor threshold: Not Established

pH: 6.0 to 8.0

Freezing point: 32º F; 0º C

Initial boiling point and boiling range: 212º F; 100º C

Flash point: 65C (149F)

Evaporation rate (n-butyl acetate = 1): No data available

Lower explosion limit / flammability limit: N/A

Vapor pressure: No data available

Relative vapor density: No data available

Density: 8.2 at 20°C (68°F)

Solubility: Complete

Auto-ignition temperature: NA = Not Applicable

Decomposition temperature: Not Available

Viscosity: Water thin.

10. Stability and reactivity

Reactivity: Stable

Dangerous polymerization: Will not occur.

Conditions to avoid: Not Established

Hazardous decomposition products: None Expected.

Incompatible materials: Strong oxidizers

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD_{50}: 4724 mg/kg

Notes: Method: Calculation method

Acute oral toxicity LD_{50}: 4233 mg/kg

Notes: Method: Calculation method

Acute inhalation toxicity LC_{50}: No data available

Skin corrosion / irritation: Corrosive

Serious eye damage / irritation: Causes serious eye damage

Respiratory or skin sensitization: No known significant effects or critical hazards.

Germ cell mutagenicity: No known significant effects or critical hazards.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmend human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity: No known significant effects or critical hazards.

Specific Target Organ Toxicity - single exposure: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicological information: This product is toxic to aquatic life with long lasting effects.

Aquatic toxicity, both acute and chronic: Very toxic to aquatic life.

13. Disposal considerations

Disposal methods: 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.

For large spills: Consult with local and state authorities for large volume disposal.

Empty container: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispsose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Disinfectant, liquid, corrosive n.o.s.

Technical name: Quaternary Ammonium Compounds

UN number: 1903

Transport hazard class(es): 8

Packing group, if applicable: III

Placards: Corrosive

Hazard label: Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

DOT other shipping information: Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

U.S. Customs harmonization number: 3808.94.0000

ICAO - air

UN proper shipping name: Contact manufacturer for more information.

IMDG - sea

UN proper shipping name: Contact manufacturer for more information.

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification

Corrosive

Limited Quantity Ground

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Health - Acute

313 reportable ingredients: No listed substance

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: No listed substance

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: No listed substance

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All ingredients are listed on the TSCA Chemical Inventory.
California Proposition 65: No listed substance
FIFRA (federal insecticide, fungicide, and rodenticide act): Regulated

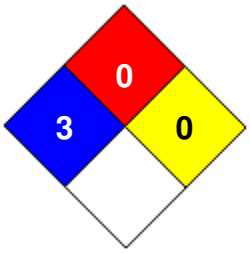
16. Other information

Date Prepared: 08/07/2025

HMIS rating

Health	3
Flammability	0
Physical hazard	0
Personal protection	C

NFPA codes



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