


Section 1: Product and Company Identification

Product Name: SoRite® Disinfectant

SDS No.: SR050225

EPA Reg. No. 91603-3

Manufacturer/Distributor: SoRite, LLC
 4621 Trousdale Drive, Suite 116
 Nashville, TN 37220
 (888) 379-3232

24 hour Emergency
 Phone Number: (800) 222-1222

Aqueous Oxidant

H	0	
F	0	
R	0	
PE	--	

Section 2: Hazards Identification

2.1 GHS Classification: This material is considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

No Pictogram Required.

Signal word: Caution

Hazard Classification: Eye Irritation Category 2B.

Hazard Statement: H320 Causes Eye Irritation

Precautionary Statements

Prevention: P264+P265: Wash hands thoroughly after handling. Do not touch eyes.

Response: 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+P317: If eye irritation persists: Get medical help.

Emergency Overview: Colorless liquid with no odor. Avoid contact with eyes. Keep out of reach of children.

2.2 Potential Health Effects

Eye Contact: Eye contact may cause mild eye irritation with discomfort.

Skin Contact: Does not cause skin irritation.

Inhalation: Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors and allow adequate time for the vapors to disperse before re-entering the restricted area.

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Ingestion: NON-TOXIC Carcinogenicity Information: IARC, NTP, OSHA, and ACGIH list none of the components present in this material at concentrations equal to or greater than 0.1% as carcinogens.

Section 3: Composition/ Information on Ingredients

Ingredients	CAS Number	Wt%
Sodium Chlorite	7758-19-2	0.584
Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	85409-23-0	0.329
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chloride	68391-01-5	0.329
Inert Ingredients	Mixture	98.758

At these concentrations none of the ingredients are known to pose any hazards to human health.

Section 4: First Aid Measures

Inhalation: Does not cause respiratory irritation under normal use. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors and allow adequate time for the vapors to disperse before re-entering the restricted area.

Skin Contact: Does not cause skin irritation under normal use. Rinse with water if irritation occurs.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get emergency medical help.

Ingestion: Non-toxic. Give a glass of water.

Section 4.2:

Symptoms/injuries after inhalation:

None under normal use. May cause slight irritation.

Symptoms/injuries after skin contact:

None under normal use. May cause an allergic skin reaction in sensitive individuals.

Symptoms/injuries after eye contact:

None under normal use. May cause slight irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion:

None under normal use. Most important symptoms and effects, both acute and delayed.

Section 4.3.:

Indication of any immediate medical attention and special treatment needed.

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

Section 5.1: Extinguishing media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: None known.

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Section 5.2.: Special hazards arising from the substance or mixture

Fire hazards: None known.

Section 5.3.: Advice for firefighters

Protection during firefighting—Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

No special cleanup measures are required for the consumer product. Care should be taken when entering spilled areas, as surfaces can be slippery.

Spill Clean Up

Dam, divert and absorb residual material and transfer into container for disposal. To avoid the possibility of “bleaching” the spill should be absorbed with paper towels, and the area rinsed with clean water.

Section 7: Handling and Storage**Precautions for safe handling:**

Avoid contact with eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Wash hands with water as a precaution.

Conditions for safe storage, including any incompatibilities:

Store in original closed container in a cool, dry place away from heat and open flame. Do not allow product to become overheated in storage. Avoid prolonged storage temperature above 53°C, 128°F and below 0°C, 32°F. This may cause increased degradation of product, which will decrease product effectiveness.

Store large quantities in buildings to comply with OSHA 1910.106. Do not transfer contents to bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.

Incompatible materials: None

Special Packaging Materials: None

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls: Use in adequately ventilated areas.

Personal Protective Equipment:

Eye/Face Protection: Not required under normal use. Appropriate protective eyewear recommended.

Skin Protection: Not required under normal use. No extra protective clothing or equipment required.

Respirators: None required under normal use. Ventilation recommended.

Hygiene Measures: Practice safe workplace habits. Wash hands thoroughly after handling materials.

Special/ Other: None known

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Section 9: Physical and Chemical Properties

Appearance: Clear colorless homogeneous liquid
Odor: None
Odor Threshold: No information available
pH: 9.2
Melting Point/Freezing Point (°F): 220.01/32
Initial Boiling Point/Boiling Point Range (°F): 104.45°C
Flash Point: None below 93° C
Evaporation Rate: (water=1)
Flammability (solid,gas):
Upper/lower flammability or explosive limits:
No information available
No data
Vapor Pressure (mm Hg): No data available
Vapor Density (Air=1): (Air=1)>
Relative Density: 1.0096 (20°/20°)
Solubilities: Soluble in water
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No information available
Decomposition temperature: No information available
Viscosity: 1.12 cSt at 20°C and 0.81 cSt at 40°C

Section 10: Stability and Reactivity

Reactivity: Not reactive
Chemical stability: This product is stable.
Possibility of hazardous reactions: None
Conditions to avoid: None
Incompatible materials: None
Hazardous decomposition products: None

Section 11: Toxicological Information

1. Acute Oral Toxicity

The results of the acute oral toxicity test indicated the proposed product has an LD50 greater than 5000 mg/kg bw. All three female rats survived this limit test with no evidence of gross abnormalities. The study is acceptable, and the product is classified as Toxicity Category IV.

2. Acute Dermal Toxicity

The results of the acute dermal toxicity test indicated the proposed product has an LD50 greater than 5050 mg/kg bw. The study is acceptable, and the product is classified as Toxicity Category IV.

3. Acute Inhalation Toxicity

The results of the acute inhalation toxicity test indicated the proposed product has an LC50 greater than 2.15 mg/L. One of the five male rats died by asphyxiation in the exposure tube; however, all other animals survived. The study is acceptable, and the product is classified as Toxicity Category IV.

4. Primary Eye Irritation

The results of the primary eye irritation test indicated that all three rabbits were clear any signs of irritation by day 7 of study. Non-positive observations in redness, chemosis and dulling of normal luster persisted in one rabbit at day 4. The study is acceptable, and the product is classified as Toxicity Category III.

5. Primary Skin Irritation

The results of the primary skin irritation test indicated no signs of erythema or edema in any animal immediately and up to 72 hours after patch removal and the study was concluded. The study is acceptable, and the product is classified as Toxicity Category IV.

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6. Dermal Sensitization

The results of the dermal sensitization study indicate the test substance was a sensitizer. Three test groups were used, with a 25%, 50%, 100% concentration of test substance. The test groups and the positive control showed stimulation indexes greater than 3.

Section 12: Ecological Information

Toxicity: There is a high probability that the product is not acutely harmful to organisms

Persistence and Degradability: The product is moderately/partially biodegradable

Bio accumulative potential: Does not significantly accumulate in organisms

Mobility in Soil: Absorption to solid soil phase is expected

Other Adverse Effects: The product has not been fully tested

Section 13: Disposal Considerations

Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal State/Provincial and Local regulations.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Discard excess or used (product) solution in drain with running water.

CONTAINER HANDLING:

(For non-refillable containers equal to or less than 5 gal.)

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

(For non-refillable containers greater than 5 gal.)

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. 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 back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

(Refillable containers)

Refillable Container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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Section 14: Transport Information

Shipping Information: Not regulated by DOT, IMO/IMDG and IATA/ICAO for ground, air or ocean shipments.

Section 15: Regulatory Information

U.S. Federal Regulations:

TSCA: All components appear in TSCA Inventory

OSHA: Refer to Section 8 for exposure limits

Component	CAS No.	TSCA	TSCA Inventory notification- Active-Inactive	TSCA-EPA Regulatory Flags
Sodium Chlorite	7758-19-2	—	Inactive	—
Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	85409-23-0	—	Inactive	—
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chloride	68391-01-5	—	Inactive	—

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act (40 CFR Part 710)

X Listed - Not Listed

TSCA 12(b) - Notices of Export Not applicable

CERCLA SARA Hazard Category:

Section 311 and 312: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: NONE

Section 313: This product contains following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: NONE

State regulations: State Right to Know information is not provided.

California prop. 65 (no significant risk level): NONE

International Regulations:

Canadian WHMIS: Not controlled

Canadian Environmental Protection Act (CEPA): Additional information available upon request.

EU Regulations: Additional information available upon request.

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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. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Warning
Causes Eye Irritation.

Section 16: Other Information

HMIS Rating: **Health: 0** **Flammability: 0** **Reactivity: 0** **PPE: NONE**

All information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied is being made as to the effects of such use, the results obtained, or safety and toxicity of the product nor is there any assumed liability arising out of use by absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. In no way shall Aseptic Health, LLC be liable for any claims, losses, or damages to any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

END OF SDS

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