



## SPECTRUM®

### Concentrated Neutral Quaternary Sanitizer Solution

Revision: 2025-05-14

Version: 02.2

#### 1. IDENTIFICATION

**Product name:** SPECTRUM®  
Concentrated Neutral Quaternary Sanitizer Solution

**SDS #:** MS0800888

**Recommended use:**

- Industrial/Institutional
- Food Processing
- Sanitizer

**Uses advised against:**

- This product is intended to be diluted prior to use
- Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

|                                                                                                                 |                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| US Headquarters<br>Diversey, Inc.<br>1300 Altura Rd., Suite 125<br>Fort Mill, SC 29708<br>Phone: 1-888-352-2249 | Canadian Headquarters<br>Diversey Canada, Inc.<br>6150 Kennedy Road Unit 3<br>Mississauga, Ontario L5T 2J4<br>Phone: 1-800-668-7171 |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|

SDS Internet Address: <https://sds.diversey.com>

**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

#### 2. HAZARDS IDENTIFICATION

##### Classification for the undiluted product

Skin corrosion, Category 1C  
Serious eye damage, Category 1



**Signal word:** Danger.

##### Hazard Statements

**CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE.**

##### Precautionary Statements

Causes burns/serious damage to mouth, throat and stomach. Keep container tightly closed. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Store locked up. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

##### Classification for the diluted product 0.625

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

**Hazard and Precautionary Statements**

None required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Classified Ingredients**

| Ingredient(s)                                                                   | CAS #      | Weight %   |
|---------------------------------------------------------------------------------|------------|------------|
| n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)<br>dimethyl benzyl ammonium chloride | 68391-01-5 | 1 - 5%     |
| Alkyl dimethyl ethyl benzyl ammonium chloride                                   | 85409-23-0 | 1 - 5%     |
| Ethyl alcohol                                                                   | 64-17-5    | 0.5 - 1.5% |

**4. FIRST AID MEASURES****Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash with plenty of water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

**Diluted Product:**

**Eyes:** Rinse with plenty of water.

**Skin:** No specific first aid measures are required

**Inhalation:** No specific first aid measures are required

**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

**5. FIRE-FIGHTING MEASURES**

**Specific methods:** No special methods required

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** Corrosive material (See sections 8 and 10).

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:**

Clean-up methods - large spillage. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Prevent product from entering drains.

Water runoff can cause environmental damage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Keep tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

| Ingredient(s) | ACGIH           | OSHA                                           |
|---------------|-----------------|------------------------------------------------|
| Ethyl alcohol | 1000 ppm (STEL) | 1000 ppm (TWA)<br>1900 mg/m <sup>3</sup> (TWA) |

### Undiluted Product:

#### Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

#### Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

|                                  |                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye protection:</b>           | Chemical-splash goggles.                                                                                                                                                                                          |
| <b>Hand protection:</b>          | Chemical-resistant gloves.                                                                                                                                                                                        |
| <b>Skin and body protection:</b> | Protective footwear. Wear suitable protective clothing.                                                                                                                                                           |
| <b>Respiratory protection:</b>   | No personal protective equipment required under normal use conditions. If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. |
| <b>Hygiene measures:</b>         | Handle in accordance with good industrial hygiene and safety practice.                                                                                                                                            |

### Diluted Product:

#### Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

#### Personal Protective Equipment

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| <b>Eye protection:</b>           | No personal protective equipment required under normal use conditions. |
| <b>Hand protection:</b>          | No personal protective equipment required under normal use conditions. |
| <b>Skin and body protection:</b> | No personal protective equipment required under normal use conditions. |
| <b>Respiratory protection:</b>   | No personal protective equipment required under normal use conditions. |
| <b>Hygiene measures:</b>         | Handle in accordance with good industrial hygiene and safety practice. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical State

Liquid

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/freezing point (°C):** -5 °C

**Autoignition temperature:** No information available

**Solubility in other solvents:** No information available

**Density:** 0.995 Kg/L

**Bulk density:** No information available

**Flash point (°F):** > 200.1 °F > 93.4 °C

**Kinematic viscosity** No information available

**VOC:** 1.1 % \*

**Flammability (Solid or Gas):** Not applicable

**Sustained combustion:** Not applicable

**Explosion limits:** - upper: Not determined - lower: Not determined

**Color:** Clear , Light , from Yellow Green to Green

**Odor:** Fresh

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.00

**Vapor density:** No information available

**Vapor pressure:** No information available.

**Partition coefficient (n-octanol/water):** No information available

**Elemental Phosphorus:** 0 % by wt.

**pH:** ≈ 7

**Corrosion to metals:** Not corrosive to metals

**Dilution pH:** ≈ 6

**Dilution Flash Point (°F):** > 200.1 °F > 93.4 °C

**VOC % by wt. at use dilution:** 0 %

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

### Reactivity:

Not Applicable

### Stability:

The product is stable

### Possibility of hazardous reactions:

None known

### Hazardous decomposition products:

None reasonably foreseeable.

### Materials to avoid:

Oxidizing agents. Anionic surfactant. Do not mix with chlorinated products (such as bleach).

**Conditions to avoid:** None known.

## **11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

Skin contact, Inhalation, Ingestion, Eye contact

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Carcinogen Listings:** Ethyl alcohol is only classified as an IARC 1 carcinogen and California Prop 65 chemical when it is meant for ingestion in alcoholic beverages. We do not produce alcoholic beverages; therefore it is not considered a carcinogen in our products.

**Numerical measures of toxicity**

**ATE - Oral (mg/kg):** >2000

**ATE - Dermal (mg/kg):** >2000

**ATE - Inhalatory, gases (mg/l):** >20000

**ATE - Inhalatory, mists (mg/l):** >5

**ATE - Inhalatory, vapors (mg/l):** >20

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility:** No information available.

**Other adverse effects** No information available.

## **13. DISPOSAL CONSIDERATIONS**

Do not contaminate water, food, or feed by storage or disposal.

**Waste from residues / unused products (undiluted product):**

This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Waste from residues / unused products (diluted product):**

This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Pesticide Storage:**

Refer to product label.

**Pesticide Disposal:**

Refer to product label.

**Container Disposal:**

Refer to product label.

**RCRA Hazard Class (undiluted product):** Not Regulated.

**RCRA Hazard Class (diluted product):** Not Regulated.

## **14. TRANSPORT INFORMATION**

**DOT/TDG/IMDG:** The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

**DOT (Ground) Bill of Lading Description:** UN1760, CORROSIVE LIQUID, N.O.S., (quaternary ammonium compounds), 8, III, MARINE POLLUTANT (quaternary ammonium compounds)

**IMDG (Ocean) Bill of Lading Description:** UN1760, CORROSIVE LIQUID, N.O.S., (quaternary ammonium compounds), 8, III, MARINE POLLUTANT (quaternary ammonium compounds)

## **15. REGULATORY INFORMATION**

**International Inventories at CAS# Level**

|      |                                               |
|------|-----------------------------------------------|
| TSCA | All components are listed or otherwise exempt |
| DSL  | All components are listed or otherwise exempt |

**CERCLA/ SARA**

| Ingredient(s)                                                                | CAS #      | Weight %   | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|------------------------------------------------------------------------------|------------|------------|----------------------|-----------------------|-------------|
| n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride | 68391-01-5 | 1 - 5%     |                      |                       |             |
| Alkyl dimethyl ethyl benzyl ammonium chloride                                | 85409-23-0 | 1 - 5%     |                      |                       |             |
| Ethyl alcohol                                                                | 64-17-5    | 0.5 - 1.5% |                      |                       |             |

**Canadian Regulations**

PCP No. : 15248

| Ingredient(s) | CAS #   | NPRI |
|---------------|---------|------|
| Ethyl alcohol | 64-17-5 | X    |

## **16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 0

Instability 0

Special Hazards -

**Diluted Product:**

Health 0

Flammability 0

Instability 0

Special Hazards -

Revision: 2025-05-14

**Version:** 02.2

**Reason for revision:**

Not applicable

**Prepared by:**

North American Regulatory Affairs

**Additional advice:**

- Does not contain an added fragrance

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