

Product Code: MSDS214  
Product Name: SPECTRA SYSTEM 3 NEUTRAL DISINFECTANT-310  
EPA Reg. No.: 1839-167-12228  
ITEM CODES: 876168, 103310

24-hour Emergency Phone: (800) 535-5053

HMIS CODES H F R P  
2 0 0 X

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**DISTRIBUTED BY:**  
DAYCON PRODUCTS COMPANY, INC.  
16001 TRADE ZONE AVE.  
UPPER MARLBORO, MD 20774

**2. HAZARDS IDENTIFICATION**

Danger. CORROSIVE. Flammable liquid. Causes irreversible eye damage and skin burns. Causes serious eye damage. May be fatal if absorbed through the skin. Do not get in eyes, on skin or on clothing. May be fatal if inhaled. Very toxic to aquatic life with long lasting effects.

**Hazard Classification:** Flammable liquid Category 3  
Skin and Eye Category 1: Corrosive  
Acute toxicity, inhalation Category 2  
Specific target organ toxicity, single exposure Category 2  
Hazardous to aquatic environment, acute hazard Category 1  
Hazard to aquatic environment, long-term hazard Category 1

**SIGNAL WORD: DANGER**

**HAZARD STATEMENTS:**

H226 Flammable liquid and vapor  
H314 Causes sever skin burns and eye damage.  
H300, H330 Fatal if swallowed or inhaled.  
H400 Very toxic to aquatic life.

**PRECAUTIONARY STATEMENTS:**

P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources of ignition.  
P233 Keep container tightly closed.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid releases to the environment.  
P280 Wear protective gloves and eye protection.  
P301, P310, P330, P331 **IF SWALLOWED:** Immediately call a poison control center. Rinse mouth. Do NOT induce vomiting.  
P304, P340 **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
P305, P310, P351, P338 **IF IN EYES:** Immediately call a poison control center. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy



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**PRECAUTIONARY STATEMENTS: (Continued)**

to do. Continue rinsing.

P303, P361, P353 **IF ON SKIN:** Rinse skin with water or shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents in accordance with local, regional, and national regulations.

**Potential Health Effects**

**EYE:**

May be corrosive to the eyes. May cause irreversable eye damage.

**SKIN:**

May be corrosive to the skin. Causes skin burns. This product may be fatal if it is absorbed through the skin.

**INGESTION:**

May cause nausea, vomiting and stomach irritation.

**INHALATION:**

Harmful if inhaled, dependent on the extent of exposure. Under normal conditions, using adequate ventilation no problems are expected. Do not breath gas/fumes/vapor/spray. May be a strong irritant or corrosive if inhaled.

**CHRONIC (CANCER) INFORMATION:**

Not listed by IARC or NTP as a carcinogen.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

Not classified as a teratogen.

**REPRODUCTION INFORMATION:**

Does not harm reproductive cells.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Component/Exposure Limits                        | CAS#       | % by Wt. |
|--|------------|----------|
| -----  |            |          |
| Alkyl dimethyl benzyl ammonium chloride (C12-16) | 68424-85-1 | 8.68     |
| Octyl decyl dimethyl ammonium chloride           | 32426-11-2 | 6.51     |
| Didecyl dimethyl ammonium chloride               | 7173-54-5  | 3.255    |
| Diocetyl dimethyl ammonium chloride              | 5538-94-3  | 3.255    |
| Ethanol  | 64-17-5    | < 5      |
| ACGIH STEL: 1000 ppm                             |            |          |
| OSHA PEL: 1000 ppm; 1900 mg/m3                   |            |          |

**4. FIRST AID MEASURES**

**EYES:**

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

**SKIN:**

**IF ON SKIN:** Rinse skin with water or shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

**INGESTION:**

**IF SWALLOWED:** Immediately call a poison control center. Rinse mouth. Do NOT induce vomiting.

**INHALATION:**

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. If irritation persists, call a poison control center or seek medical advise.

**NOTE TO PHYSICIANS:**

Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** 54.4C; 130F                               **Method:** PMCC

**FLAMMABLE LIMITS:**

**Lower flammable limit:** N/A  
     **Upper flammable limit:** N/A

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**AUTOIGNITION TEMPERATURE:**

Not Applicable.

**HAZARDOUS COMBUSTION PRODUCTS:**

Oxides of carbon.

**EXTINGUISHING MEDIA:**

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

**FIREFIGHTING INSTRUCTIONS:**

Wear full protective clothing, including self-contained positive pressure or pressure demand breathing apparatus, helmet, and protective clothing. Use water spray to cool fire-exposed containers and to protect personnel.

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**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:**

Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

**LARGE SPILL:**

If possible, clean up spill area on a dry basis and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

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**7. HANDLING AND STORAGE**

**HANDLING:**

Keep out of reach of children. Read label before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources of ignition. Keep container tightly closed. Do not eat, drink or smoke when using this product. Avoid releases to the environment. Wear protective gloves and eye protection. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operation on or near empty containers.

**STORAGE:**

Store locked up. Keep containers covered. Avoid releases to the environment. Do not store near heat, sparks, flame or strong oxidants. Take the usual chemicals handling precautions.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended limits. Emergency showers and eyewash facilities should be in close proximity.

**RESPIRATORY PROTECTION:**

If irritation is experienced, a NIOSH-approved respirator should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure. Respiratory protection may be needed for non-routine or emergency situations.

**SKIN PROTECTION:**

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

**EYE PROTECTION:**

Chemical splash goggles with side shields recommended.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**BOILING POINT:** N/A  
**MELTING POINT:** Not applicable.  
**VAPOR PRESSURE:** NO INFORMATION AVAILABLE.  
**VAPOR DENSITY:** (Air=1): >1  
**SOLUBILITY IN WATER:** Soluble  
**SPECIFIC GRAVITY:** 1.007  
**pH:** 7.2 - 8.2  
**ODOR:** Perfume bouquet.  
**APPEARANCE:** Grass Green.

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**10. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

Stable.

**INCOMPATIBILITY:**

Strong oxidizing agents. Keep away from heat, sparks, or open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon, may be emitted if product burns.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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**EYE:**

Causes severe burns.

**SKIN:**

Extremely irritating. May be corrosive.

**INGESTION:**

Harmful if swallowed. May be fatal if swallowed in high doses.

**INHALATION:**

Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches. May be fatal if liquid is inhaled.

**SUBCHRONIC:**

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

**CHRONIC/CARCINOGENICITY:**

Not classified as a carcinogen.

**TERATOLOGY:**

Not a teratogen.

**REPRODUCTION:**

Not expected to effect human reproduction.

**MUTAGENICITY:**

Not mutagenic.

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION:**

If this product becomes a waste, it does not exhibit the properties of ignitability, corrosivity, reactivity or environmentally persistent toxicity.

Toxic to aquatic life with long lasting effects.

**CHEMICAL FATE INFORMATION:**

Readily biodegradable.

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**13. DISPOSAL CONSIDERATIONS**

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.

**14. TRANSPORT INFORMATION (Not meant to be all inclusive)**

UN2920, CORROSIVE LIQUID, FLAMMABLE, NOS, 8,3 PG II, (QUATERNARY AMMONIUM CHLORIDE, ETHANOL)  
TRANSPORT CLASS: 8    SUBSIDIARY RISK: 3  
LIMITED QUANTITY UNDER 1.3 GALLONS

**15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent**

**U.S. FEDERAL REGULATIONS:**

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200

**OSHA:**

HAZCOM STANDARD

**CERCLA:** Not listed

**SARA HAZARD CATEGORY:** Immediate Hazard: Yes;  
Delayed Hazard: No; Fire Hazard: Yes; Pressure  
Hazard: No; Reactivity Hazard: No

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:** No

**SARA 311/312 HAZARDOUS CHEMICAL:** Yes

**SARA 313 (TRI reporting):** Not Regulated

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**

NO INFORMATION AVAILABLE.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

NO INFORMATION AVAILABLE.

**EINECS:**

NO INFORMATION AVAILABLE.

**STATE REGULATIONS:**

NO INFORMATION AVAILABLE.

**VOLATILE ORGANIC COMPOUNDS:**

NO INFORMATION AVAILABLE.

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16. OTHER INFORMATION

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SDS Status:

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of Daycon Products Company, Inc., therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.