

fusion series

technical bulletin

# sienna

multi surface cleaner + disinfectant

lavender scent

EPA Registration Number 1839-216-84179



**fusion series** is our line of housekeeping products designed to be easy to use, efficient and safe. From state-of-the-art dispensing solutions to clear, simple color-named packaging, we've created fusion products in ways that make housekeeping a pleasure.

**Sienna** is a phosphate free, pH neutral formulation designed to provide effective cleaning, deodorization, and disinfection specifically for hospitals, nursing homes, colleges, food processing plants, food service establishments, office buildings, hotels and lodging establishments where housekeeping is of prime importance in controlling cross contamination.

## features

- Formulated to a neutral pH so it will not dull high gloss floor finishes.
- Concentrated – effective as general cleaner from 2 oz. per gallon dilution and higher depending on soiling conditions.
- Powerful bactericide and virucide at 2 oz. per gallon – see attached list for impressive list of bacteria and viruses Sienna effective against.
- Leaves behind a delightful lavender scent.

**optimal applications** Floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets.

**ideal for** Nursing homes, hospitals, schools, restaurants, institutional kitchens, food service establishments, ambulances, doctors' offices.



environmentally preferred  
**green cove™**

Biodegradable  
Non-Toxic  
Phosphorous free

This product meets our Green Cove standard. **Environmentally Preferred Green Cove** products reflect our commitment to protect the environment, operate in a sustainable fashion and deliver products that make a difference for our planet and our customers every day.

## product specifications

Physical Description	Clear Liquid
Viscosity	Water Thin
Color	Aqua
Flashpoint	None
Fragrance	Lavender
Weight per Gallon	8.34 lb / gal
pH	6.0 - 8.0
Storage Stability	1 year minimum
D.O.T. Shipping label	Not regulated



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## organism list

### DISINFECTION

To disinfect inanimate, hard, non-porous surfaces: add 2 ounces of Sienna per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh use-solution daily or more often if the use-solution becomes visibly dirty or diluted. All surfaces that come in contact with food must be rinsed with potable water. Do not use on utensils, glasses and dishes.

To disinfect food processing premises: before using this product, food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 2 ounces of Sienna per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. All surfaces that may come in contact with food must be rinsed with potable water. To disinfect food service establishment food contact surfaces: before using this product, food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 2 ounces of Sienna per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

**BACTERICIDAL ACTIVITY:** Bactericidal in 10 minutes: against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella* (choleraesuis) enterica and *Enterobacter aerogenes*. Bactericidal in 5 minutes: against: *Escherichia coli* O157:H7, *Enterococcus faecium*, *Salmonella* (typhimurium) enterica, *Salmonella* (typhi) enterica, *Streptococcus pyogenes*, *Shigella sonnei*, *Staphylococcus epidermidis*, *Yersinia enterocolitica*, *Salmonella* (enteritidis) enterica, *Listeria monocytogenes*, *Klebsiella pneumonia*, *Salmonella* (pullorum) enterica. **ANTIBIOTIC RESISTANT BACTERIA:** Vancomycin resistant *Enterococcus faecium* (VRE), Multi-Drug resistant (MDR) *Acinetobacter baumannii*, Vancomycin Intermediate Resistant *Staphylococcus aureus* (VISA), Extended Spectrum Beta-Lactamase (ESBL), Antibiotic resistant *Staphylococcus epidermidis*, Antibiotic resistant *Escherichia coli*, Antibiotic resistant *Klebsiella pneumonia*, Methicillin resistant *Staphylococcus aureus*, (MRSA), Oxacillin resistant *Streptococcus pneumonia*. Fungicidal Activity: At the 2 ounces per gallon dilution, Sienna is fungicidal against the pathogenic fungi, Trichophyton mentagrophytes (Athlete's Foot Fungus). Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard, non-porous, surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product must be applied daily or more frequently with heavy facility use. **\*VIRUCIDAL ACTIVITY:** \*Virucidal in 5 minutes against Hepatitis C Virus (HCV), SARS Associated Coronavirus, Herpes simplex Virus Type 1 & 2, Influenza Virus Type A2, Respiratory Syncytial Virus (RSV), Vaccinia Virus and Rotavirus. \*Virucidal in 3 minutes against: Hepatitis B Virus (HBV) \*Virucidal in 30 seconds against: Human Immunodeficiency Virus Type 1. Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu). Kills HIV-1, HBV and HCV on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

Special Instructions For Cleaning And Decontamination Against HIV-1, HBV and HCV Of Surfaces/objects Soiled With Blood/body Fluids. Personal Protection: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings. Cleaning Procedures: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of Sienna. Contact Time: HIV-1 is inactivated after a 30 second contact time. HBV is inactivated after a 3 minute contact time. HCV is inactivated after a 5 minute contact time. Use either a 5 or 10 minute contact time for other organisms as stated on the label. Disposal Of Infectious Materials: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal. **EFFICACY TESTS HAVE DEMONSTRATED THAT SIENNA IS AN EFFECTIVE BACTERICIDE, FUNGICIDE AND \*VIRUCIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO3) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

### 01 Chemical Product and Company Identification

**Product Name** Sienna  
**Product Use** Neutral Disinfectant Cleaner  
**Product Code** 3921  
**For Medical Emergency** Call 'Chemtrec' 1-800-424-9300  
**Supplier's Information** Santec Inc.  
 1420 East Linden Avenue, Linden NJ 07036  
 This product is a registered pesticide. EPA No. 1839-216-84179

### 02 Hazards Identification

**GHS Classification:** 1. Skin - Category 1  
 2. Eyes - Category 1  
**GHS Label Element:**



**Signal Word:** Danger

**Hazard Statement:** May be corrosive to eyes. Causes skin burns. May be harmful if swallowed.

**Precautionary Statements:** Wear protective gloves, splash goggles, face shield and protective clothing. Wash thoroughly after handling.

#### Acute Effects

**Eyes:** May cause irreversible damage.

**Skin:** Causes skin burns.

**Inhalation:** Mists and vapors may be irritating to the throat and respiratory tract.

**Ingestion:** Harmful if swallowed.

#### Chronic Effects

**Carcinogenicity:** No known critical effects or critical hazards.

**Product /Ingredient Name:** Not available.

### 03 Composition/ Information on Ingredients

Name of Hazardous Ingredients	CAS No.	WT.%
Didecyl Dimethyl Ammonium Chloride	7173-51-5	3.14
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	2.09

### 04 First Aid Measures

**Eye Contact:** Check for and remove any contact lenses. Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention immediately.

**Skin Contact:** Wash skin with copious amounts of water. If symptoms persist seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Drink copious amounts of water. Seek medical attention immediately.

### 05 Fire Fighting Measures

**Suitable Fire Extinguishing Media:** Use water spray, fog or foam

**Specific Hazards Arising from the Chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous Thermal Decomposition Products:** Carbon monoxide, carbon dioxide, ammonia, oxides of nitrogen.

**Specific Fire-Fighting Methods:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Specific Protective Equipment for Fire-Fighters:** Fire-Fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 06 Accidental Release Measures

**Spill Clean Up:** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move Containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### 07 Handling and Storage

**Handling:** Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Wash thoroughly after handling.

**Storage:** Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 08 Exposure Controls/ Personal Protection

<u>Ingredient Name</u>	<u>Exposure Limits</u>
N/A	N/A

#### Personal Protective Equipment (PPE)

**Eyes:** Safety glasses, splash goggles.

**Skin:** Use synthetic apron, other protective equipment as necessary to prevent skin contact.

**Body:** For prolonged or repeated handling, use gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

**Respiratory:** Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

### 09 Physical and Chemical Properties

<b>Physical State</b>	Clear liquid
<b>Color</b>	Bluish Green
<b>Odor</b>	Lavender
<b>pH</b>	6.0-8.0
<b>Flash point</b>	None
<b>Explosion limits</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Melting point</b>	Not available
<b>Boiling point</b>	Not available
<b>Evaporation rate (butyl acetate = 1)</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	1.00 (Water = 1)
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water
<b>Partition coefficient n-octano/water</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Odor threshold</b>	Not available
<b>Viscosity</b>	Kinematic (room temperature): < 20 (CPS)

### 10 Stability and Reactivity

**Stability:** The product is stable.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid:** Keep away from strong oxidizing agents.

**Materials to avoid:** Strong oxidizing agents, anionic surfactants.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition should not be produced.



11	Toxicological Information	<b>Product /Ingredient Name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>
		Didecyl Dimethyl Ammonium Chloride	LD50 Oral	Rabbit	> 2000 mg/kg
		Alkyl Dimethyl Benzyl Ammonium Chloride	LD50 Oral	Rabbit	> 2000 mg/kg

12	Ecological Information	N/A
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13	Disposal Considerations	<b>Waste Information</b>
		Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14	Transport Information	<b>Regulatory Information</b>	<b>UN Number</b>	<b>Proper Shipping Name</b>	<b>Classes</b>	<b>PG*</b>	<b>Label</b>
		<b>DOT Classification</b>	not regulated	-	-		
		<b>Note:</b> DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.					
		<b>PG*:</b> Packing Group					

15	Regulatory Information	<b>U.S. Federal Regulations</b>
		<b>TSCA 8(b) inventory:</b> All components are listed or exempted.
		<b>SARA 302/304/311/312 extremely hazardous substances:</b> No listed substance
		<b>SARA 302/304 emergency planning and notification:</b> No listed substance

<b>SARA 313</b>	<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
Form R-Reporting requirements	No listed substance		

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Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Date of Issue: 05/31/2018**

\*Hazard Determination System (HDS):

Health	3
Reactivity	0
Flammability	0

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

# SIENNA



**Sienna** is an EPA registered disinfectant and sanitizer cleaner, (EPA Reg. 1839-216-84179). It is a phosphate free, pH neutral formulation designed to provide effective cleaning, deodorization, and disinfection specifically for hospitals, nursing homes, colleges, food processing plants, food service establishments, office buildings, hotels and lodging establishments where housekeeping is of prime importance in controlling cross contamination.

**Sienna** is EPA List N approved for 2019-nCoV/COVID-19 (Human Coronavirus). **Sienna** has demonstrated effectiveness against viruses similar to **2019 Novel Coronavirus (SARS Associated Coronavirus)** on hard, non-porous surfaces. Therefore, **Sienna** can be used against **2019 Novel Coronavirus** when used in accordance with the directions for use against **SARS Associated Coronavirus** on hard, non-porous surfaces. **Note:** Dwell time for disinfecting equals five minutes. Refer to the **CDC** website at <https://wwwnc.cdc.gov/travel/notices/alert/novel-coronavirus-china> for additional information.\*

**Features** Formulated to a neutral pH so it will not dull high gloss floor finishes. Concentrated - effective as general cleaner from 2 oz. per gallon dilution and higher depending on soiling conditions. Powerful bactericide and virucide at 2 oz. per gallon - see attached list for impressive list of bacteria and viruses **Sienna** effective against. Leaves behind a delightful lavender scent.

Organism	Kill Time	Organism	Kill Time
Avian Influenza Virus (H9N2)	5 Min	Pseudorabies (ATCC VR-135)	5 Min
Bovine Viral Diarrhea Virus (BVDV) (ATCC 534)	5 Min	Respiratory Syncytial Virus (RSV) (ATCC VR-26)	5 Min
Enterobacter aerogenes (ATCC 13048)	10 Min	Rotavirus (ATCC VR-899)	5 Min
Enterococcus faecium (ATCC 6569)	5 Min	Salmonella (choleraesuis) enterica (ATCC 10708)	10 Min
Escherichia coli (ATCC 8739)	5 Min	Salmonella (enteritidis) enterica (ATCC 13076)	5 Min
Escherichia coli O157:H7 (ATCC 43895)	5 Min	Salmonella (pullorum) enterica (ATCC 9120)	5 Min
Hepatitis B Virus (HBV) (Duck Hepatitis B Virus-DHBV)	3 Min	Salmonella (typhi) enterica (ATCC 6539)	5 Min
Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus - BVDV)	5 Min	Salmonella (typhimurium) enterica (ATCC 14028)	5 Min
Herpes Simplex Virus Type 1 (ATCC VR-733)	5 Min	<b>SARS Associated Coronavirus</b>	<b>5 Min</b>
Herpes Simplex Virus Type 2 (ATCC VR-734)	5 Min	Serratia marcescens (Industry Isolate)	5 Min
Human Immunodeficiency Virus Type 1, (associated with AIDS)	30 Min	Shigella flexneri (ATCC 12022)	5 Min
Influenza Virus Type A2 (ATCC VR-544)	5 Min	Shigella sonnei (ATCC 9290)	5 Min
Klebsiella pneumoniae (ATCC 13883)	5 Min	Staphylococcus aureus (ATCC 6538)	10 Min
Listeria monocytogenes (ATCC 984)	5 Min	Staphylococcus epidermidis (ATCC 14990)	5 Min
Pandemic 2009 H1N1 Influenza A Virus	5 Min	Streptococcus pyogenes (ATCC 19615)	5 Min
Proteus mirabilis (clinical isolate)	5 Min	Vaccinia, (ATCC VR-119)	5 Min
Proteus vulgaris (ATCC 33420)	5 Min	Yersinia enterocolitica (ATCC 23715)	5 Min
Pseudomonas aeruginosa (ATCC 15442)	10 Min		
<b>Total Claims</b>	35		