



Your only choice for a  
proven green disinfectant

[www.puregreen24.com](http://www.puregreen24.com)

# Topics

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- Your only choice for a green disinfectant
- Technology
- What Makes PureGreen24 **Green**?
- PureGreen24 vs. Toxic Disinfectants
- Product Comparison
- Target Applications
- Product Packaging
- Key Points



# Your only choice for a proven green disinfectant

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- The First (and only) EPA registered green disinfectant
  - PureGreen24 is more than green, it's effective!
- Hard surface disinfectant
  - Not a sanitizer
  - 100% Kill of Viruses and Bacteria
- Kills bacteria, viruses and fungus including
  - Staph, MRSA & MRSA ca
  - NoroVirus
  - Bird Flu
  - SARS
  - E. Coli & Salmonella
  - HIV
  - Common Household Germs
- Deodorizer
- Meets School and Office Building green standards



# Technology

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- PureGreen24 disinfecting properties are based on Silver Ion SDC patented technology
  - Silver has been used as a disinfectant for thousands of years
  - The SDC patented technology stabilizes Silver Ions with citric acid enabling a long shelf life
- Product Contents
  - Active Ingredients
    - Silver (Ions) 0.003%
    - Citric Acid 4.840%
  - Remainder: Purified Water



# What Makes PureGreen24 - Green?

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- **Green Technology**
  - PureGreen24's active ingredient, SDC, is comprised of silver ions and citric acid, both of which occur naturally in the environment.
- **Green Manufacturing**
  - The manufacturing process produces zero discharge with no waste or byproducts.
- **Low toxicity**
  - EPA toxicity rating IV (lowest granted by EPA)
- **Composed of Renewable Resources**
  - 99.967% (by weight) is water and citric acid



# PureGreen24 vs. Toxic Disinfectants

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- Do you want to be exposed to a product that requires the following EPA warnings?

**PRECAUTIONARY STATEMENTS :  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective (rubber or chemical resistant) gloves and protective clothing. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.**

- Toxic Disinfectants expose you to these dangerous risks
- PureGreen24 has ***NO warnings*** on its label
- PureGreen24 can be applied in the presence of humans and animals
- No protective gear required during application of PureGreen24
- No rinse required; all other disinfectants require a rinse prior to skin contact



# Product Comparison

Features	PureGreen24	Leading Brands	PureGreen24 Benefits
EPA Toxicity Rating	IV	II	Preferred for use around children and animals (IV is the lowest rating)
Kills MRSA	2 min	N/A	Greater protection against Staph
Standard Bacteria Kill Time	30 Sec	None	20 Times faster
Fungal/Virus Kill Time	30 sec-10min	10min	Faster results
Residual 24 hour Protection*	Yes	No	Reduced Labor Costs/ More effective
Rinsing Required	No	Yes	Easier to Apply/ Reduced Labor Costs
Irritating Fumes	No	Yes	Odorless/ Pleasant to use
Skin Irritation	No	Yes	Preferred when used near humans and animals
Flammable	No	Yes	Preferred when used near humans and animals
Stains/ Damage Fabric	No	Yes	Reduced collateral damage costs
Corrosive	No	Yes	Reduced collateral damage costs
“Green”	Yes	No	Ideal for the environment



# Target Applications

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- **Athletic Facilities**
  - Gymnasiums
  - Locker Rooms
  - Wrestling Mats
  - Sports Equipment
- **Children Environments**
  - Home
  - Schools
  - Toys
- **Animal Habitats**
  - Kennels/ Veterinarian
  - Zoo
- **Institutional**
  - Government
  - Military
  - Prisons
  - Office Buildings
- **Medical**
  - Hospitals
  - Clinics
  - Assisted Living
- **Health & Beauty**
  - Spas
  - Salons



# Product Packaging

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- 4oz (pump spray)
  - (48) per case
- 32oz (trigger spray)
  - (12) per case
  - Sprayers in box
- 128oz Gallon (refill)
  - (4) per case
- Bulk packaging also available
  - 55 Gallon Drums & Totes



# PureGreen24 Key Points

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- Green, yet strong enough to kill Staph & MRSA
- 24 hour residual protection\*
- Safe enough to be used on children's toys and sports equipment without a rinse
- Only EPA Registered Green Disinfectant on the market; meets School, Government & Corporate Green mandates
- Non-bleaching, noncorrosive and odorless with no harsh chemical smell
- Fastest bacterial, viral and fungal kill times\*

\*Please refer to product label for specific organisms controlled by PureGreen24



# Material Safety Data Sheet

MSDS # 84364  
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## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PureGreen24  
**EPA Reg No:** 72977-3-84364  
**Issue Date:** 7/18/07  
**Supercedes:** NA  
**Manufactured for:** Pure Green, LLC  
439 Centre Island Rd.  
Centre Island, NY 11771  
800-306-9122  
info@puregreen24.com



## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

Components	Exposure Limits			
	Wt%	OSHA PEL	ACGIH TLV	NIOSH REL
* -- (see note below)				
Water (CAS No. 7732-18-5)	>90.0	None	None	None
Citric Acid (CAS No. 77-92-9)	4.840	None	None	None
Silver (CAS No. 7440-22-4)	0.003	None	None	None

\* -- Asterisked ingredients are those considered hazardous according to the criteria of 29CFR1910.1200. Other ingredients are listed for informational purposes to assist emergency medical response personnel.

## SECTION 3 -- HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

CAUTION: May cause slight eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

### HMIS Rating

Health	0
Flammability	0
Reactivity	0

## SECTION 4 -- FIRST AID MEASURES

**Eye Contact:** IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

**Inhalation:** IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. Get medical attention.

**Ingestion:** IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, drink large quantities of water. Avoid Alcohol.

## SECTION 5 -- FIRE FIGHTING MEASURES

**Flash Point / Method:** Not applicable

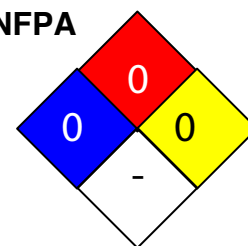
**Flammable Limits:** Not established

**Extinguishing Media:** Use water, foam, dry chemical, or carbon dioxide.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing in accordance with OSHA regulations.

**Fire and Explosion Hazards:** Products of combustion may be irritating.

### NFPA



## SECTION 6 -- ACCIDENTAL RELEASE MEASURES

**Response to Spills:** Small spills: Contain spill. Flush to sanitary sewer. Rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up with inert absorbent. Prevent runoff to creeks and waterways.

## SECTION 7 -- HANDLING AND STORAGE

**Handling Precautions:** Wash after handling. Wash hands before eating. Keep container tightly closed when not in use.

**Storage Precautions:** Store in a cool, dry place. Keep storage temperature below 120°F. Do not contaminate food, feed, or drinking water. Keep from freezing.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Hygienic Practices:</b>	Normal procedures for good hygiene. Avoid eye and skin contact.
<b>Engineering Controls:</b>	General ventilation recommended for large jobs. Eyewash station is recommended.
<b>Personal Protective Equipment:</b>	<u>Occupational settings (defined by 29CFR1910 - Subpart A) require compliance with 29CFR1910 - Subpart I.</u> <i>Respirator</i> ..... NIOSH approved mist type (not normally required) <i>Goggles/Face Shield</i> ..... Recommended, as required, to prevent eye contact. <i>Gloves</i> ..... Recommended, as required, to prevent skin contact (rubber or Neoprene).

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b> .....	Clear, colorless liquid	<b>Boiling Point</b> .....	Not established
<b>Odor</b> .....	Practically odorless	<b>Freezing Point</b> .....	Not established
<b>pH</b> .....	1.80	<b>Evaporation Rate (Butyl Acetate=1)</b> .....	Not established
<b>Specific Gravity (H<sub>2</sub>O=1)</b> .....	1.02	<b>Vapor Density (Air=1)</b> .....	Not established
<b>Solubility</b> .....	Soluble	<b>Vapor Pressure (mmHg)</b> .....	Not established
<b>VOC Content (% Wt.)</b> .....	0.00% (0.000 lbs/gallon)		

**SECTION 10 -- STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Heat
<b>Incompatibility:</b>	Carbonates, hydroxides, ammonia, strong oxidizers, metals, amines
<b>Hazardous Decomposition:</b>	Combustion may produce carbon monoxide.
<b>Polymerization:</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid:</b>	Not applicable

**SECTION 11 -- TOXICOLOGICAL INFORMATION**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN	
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910.1000, Subpart Z.	
Acute Oral, Rat	LD50>5000 mg/Kg	<b>Epidemiology</b> ..... N/A
Acute Dermal, Rat	LD50>5000 mg/Kg	<b>Teratogenicity</b> ..... N/A
Primary Eye Irritation	rabbit - Category IV	<b>Neurotoxicity</b> ..... N/A
Primary Eye Irritation	rabbit - Slightly irritating	<b>Dermal Sensitization</b> ..... Guinea Pigs - Not a contact sensitizer
		Other toxicological properties have been thoroughly investigated.

**SECTION 12 -- ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	None
<b>Environmental Fate:</b>	Readily degraded

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Method:</b>	Dispose of in accordance with local, state, and federal regulations.
<b>RCRA Classification:</b>	Non-hazardous if TCLP testing confirms waste does not exhibit the characteristic of toxicity as defined be 40 CFR261.24 for silver content.

**SECTION 14 -- TRANSPORT INFORMATION**

<b>DOT Classification:</b>	Non-hazardous
<b>Exceptions:</b>	
<b>Description:</b>	Not applicable

**SECTION 15 -- REGULATORY INFORMATION**

X	<b>TSCA:</b>	Health and Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List. Chemical Test Rules: None of the chemicals are under a Chemical Test Rule. Section 12b: None of the chemicals are listed under TSCA 12b. TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.
X	<b>CERCLA:</b>	No RQ is assigned to the generic or broad class - silver compounds. See 50FR13456 (April 4, 1985).
X	<b>SARA 302/304:</b>	None of the chemicals in this product have an RQ or TPQ.
X	<b>SARA 311/312:</b>	Immediate (Acute) Health Hazard.
X	<b>SARA 313:</b>	None of the chemicals are reportable under Section 313.
X	<b>Clean Air Act:</b>	This material does not contain any hazardous air pollutants, Class 1 Ozone depletors, or Class 2 Ozone depletors.
X	<b>Clean Water Act:</b>	None of the chemicals in this product are listed as Hazardous Substances under the CWA, Priority Pollutants under the CWA, or Toxic Pollutants under the CWA.
X	<b>OSHA</b>	None of the chemicals in this product are considered hazardous by OSHA.

**SECTION 16 -- OTHER INFORMATION**

<b>ID:</b>	84364
<b>Issue Date (Rev):</b>	7/18/07
<b>Revision Summary:</b>	NA

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