Section 1: IDENTIFICATION

Product Name: Simple Green® Clean Finish Disinfectant Cleaner
Additional Names: Simple Green® Clean Finish

Manufacturer's Part Number: **Please refer to Section 16*

Recommended Use: Disinfecting, sanitizing, cleaning and deodorizing on hard, non-porous surfaces. See label.
Restrictions on Use: Non-labelled uses.

Company: Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Beach, CA 92649 USA
Telephone: 800-228-0709 ● 562-795-6000 *Mon – Fri, 8am – 5pm PST*
Fax: 562-592-3830
Email: info@simplegreen.com
Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Section 2: HAZARDS IDENTIFICATION

OSHA Hazard Communication Standards 2012 (29 CFR 1910.1200) / US GHS:
Serious Eye Irritation: Category 2A
Hazardous to the aquatic environment, acute hazard: Category 2
Hazardous to the aquatic environment, long-term hazard: Category 3

OSHA HCS 2012
Label Elements
Signal Word: Warning

Hazard Symbol(s)/Pictogram(s):



Hazard Statements:
H319 – Causes serious eye irritation.
H401 – Toxic to aquatic life
H412 – Harmful to aquatic life with long lasting effects.

Precautionary Statements:
Prevention:
P264 – Wash hands thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P273 – Avoid release to the environment.
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 + P313 – If eye irritation persist: Get medical advice/attention.
Disposal:
P501 – Dispose of contents in accordance with local, regional and national regulations.

Hazards Not Otherwise Classified (HNOC): None
Other Information: Store away from incompatible materials

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percent Range
Tetra sodium ethylene diamine tetra acetic acid	64-02-8	1 - <3%*
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.15
Alkyl dimethyl benyzl ammonium chloride (C12-18)	68391-01-5	0.15
All other components below reportable levels		90 – 100

**specific percentages of composition are being withheld as a trade secret*

Section 4: FIRST-AID MEASURES

Inhalation: Remove to fresh air. Call a physician if symptoms develop or persist.
Skin Contact: After contact with skin, wash immediately with plenty of soap and water. Call a physician if symptoms develop or persist.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persist: Get medical advice/attention.
Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Most Important Symptoms/Effects, Acute and Delayed:
Exposed individuals may experience eye tearing, redness, and discomfort.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary:
If ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Section 5: FIRE-FIGHTING MEASURES

Suitable & Unsuitable Extinguishing Media: Use Dry chemical, CO2, water spray or "alcohol" foam. Avoid high volume jet water.
Specific Hazards Arising from Chemical: In event of fire, fire created carbon oxides, ammonia, nitrogen chloride, nitrogen oxides may be formed.
Special Protective Actions for Fire-Fighters: Must wear NIOSH/MSHA approved self-containing breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: *For non-emergency and emergency personnel:* Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Stay upwind. Ventilate closed spaces before entering. Keep out of low areas. Wear appropriate protective equipment and clothing during cleanup. Do not touch damaged containers or spilled material unless earing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. See section 8 – personal protection.

Environmental Precautions: Do not allow into open waterways and ground water systems. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, ocean or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

Methods and Materials for Containment and Clean Up: Large spills – stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recover, flush area with water. Small spills – wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. When using, do not eat, drink or smoke. Provide adequate ventilation. War appropriate personal protective equipment.

Conditions for Safe Storage including Incompatibilities: Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 109°F (42.7°C). Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Offer for recycling if available or discard in trash. Non-refillable container. Do not reuse or refill this container.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values: Contains no reportable exposure limits.

Appropriate Engineering Controls: Showers & eyewash stations. In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Individual Protection Measures / Personal Protective Equipment (PPE)

Eye Contact: Tightly fitting safety goggles
Respiratory: In the case of insufficient ventilation, wear suitable respiratory equipment.
Skin Contact: Wear protective gloves and suitable protective clothing.
General Hygiene Considerations: Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid
Odor:	Added mint detergent odor
Odor Threshold:	Not determined
pH:	11.4 – 12.4
Freezing Point:	No data available
Boiling Point & Range:	101°C (213.8°F)
Flash Point:	>100.9 °C (>213.6°F)
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/Lower Flammability or Explosive Limits:	Not applicable
Vapor Pressure:	Not determined
Vapor Density:	Not determined

Partition Coefficient: n-octanol/water:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
Specific Gravity:	1.00 – 1.01

VOCs: ***Water & fragrance exemption in calculation*

SCAQMD 304-91 / EPA 24:	Not tested		
CARB Method 310**:	≤3 g/L	0.025 lb/gal	≤0.3%
SCAQMD Method 313:	Not tested		

VOC Composite Partial Pressure:	Not determined
Relative Density:	8.34 - 8.42 lb/gal
Solubility:	100% in water

Section 10: STABILITY AND REACTIVITY

Reactivity:	Non-reactive.
Chemical Stability:	Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Excessive heat or cold. Temperatures exceeding flash point. Contact with incompatible materials.
Incompatible Materials:	Strong acids, alkalines and oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition may produce toxic vapors/fumes of nitrogen, ammonia, carbon dioxide, carbon monoxide, and low molecular weight hydrocarbons.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation -	Prolonged inhalation may be harmful.
	Skin Contact -	Causes mild skin irritation.
	Eye Contact -	Causes eye irritation.
	Ingestion -	Low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.

Delayed and immediate effects and or chronic effects from short term exposure: No health effects information available for human exposure.

Section 11: TOXICOLOGICAL INFORMATION - continued

Delayed and immediate effects and or chronic effects from long term exposure: No health effects information available for human exposure.

Interactive effects: Not known.

Numerical Measures of Toxicity

Acute Toxicity:	Oral LD_{50} (rat)	Not calculated
	Dermal LD_{50} (rabbit)	Not calculated

No toxicity information is available for this specific material. This toxicity information provided is for similar formulations.

Skin Corrosion/Irritation:	Mixture does not classify under this category.
Eye Damage/Irritation:	Mixture classifies as a serious eye irritant (2A).
Germ Cell Mutagenicity:	Mixture does not classify under this category. No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	Mixture does not classify under this category. Not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive Toxicity:	Mixture does not classify under this category.
STOT-Single Exposure:	Mixture does not classify under this category.
STOT-Repeated Exposure:	Mixture does not classify under this category.
Aspiration Hazard:	Mixture does not classify under this category.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic:	Tetra sodium ethylenediamine tetra acetic acid (64-02-8), bluegill (Lepomis macrochirus0 LC50 472-500 mg/l, 96 hours
Terrestrial:	Not assessed.

Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	No data available.

Section 13: DISPOSAL CONSIDERATIONS

Unused or Used Liquid

PESTICIDE DISPOSAL: 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.

Empty Containers:

CONTAINER DISPOSAL: Nonrefillable containers. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose in a sanitary landfill, incineration or burning, if allowed by state and local authorities. If burned, stay out of smoke.

Section 14: TRANSPORT INFORMATION

U.N. Number:	Not applicable	**U.N. Proper Shipping Name:**	Not applicable
Transport Hazard Class(es):	Not applicable		
Packing Group:	Not applicable		
Environmental Hazards:	Marine Pollutant - NO		

Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code): Unknown.

Section 14: TRANSPORT INFORMATION - continued

Special precautions of which user needs to be aware/in compliance, in connection with transport or conveyance either within or outside their premises: None known.

U.S. (DOT) / Canadian TDG:	Not Regulated for shipping.	**ICAO/ IATA:**	Not classified as Hazardous
IMO / IDMG:	Not classified as Hazardous	**ADR/RID:**	Not classified as Hazardous

Section 15: REGULATORY INFORMATION

Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)
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.

Signal Word: Caution.
Hazard Statements: Hazards to humans and domestic animals. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet.

FIRST AID
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment or advice.

EPA REGISTERATION NUMBER: 1839-220-56782

All components are listed on: TSCA and DSL Inventory.

SARA Title III: Sections 311/312 Hazard Categories	CAS #	Hazard Category	Typical Max. Concentration

SARA Title III: Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Sections 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Clean Air Act (CAA): This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act (CWA): This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

State Right To Know Lists: Does not contain any ingredients at reportable volumes

Section 15: REGULATORY INFORMATION - continued

California Proposition 65:	Chemical Name	CAS Number	Typical Maximum Concentration

Does not contain any ingredients at reportable volumes

Section 16: OTHER INFORMATION

Size	**UPC**
32 fl. oz.	043318004797
1 Gallon	043318005282
5 Gallon	043318005305
55 Gallon	043318005312

USA items listed only. Not all items listed. USA items may not be valid for international sale.

Acronyms

NTP	National Toxicology Program	IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration	CPSC	Consumer Product Safety Commission
TSCA	Toxic Substances Control Act	DSL	Domestic Substances List
A	Immediate (Acute)	F	Fire Hazard

Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department.
This SDS has been revised in the following sections: Updated formatting in Section 9 and added sizes and UPCs in Section 16.

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.