

**Section 1: IDENTIFICATION****Product Name:** Simple Green® Oxy Solve™ Total Outdoor Cleaner (Pressure Washer Concrete)**Additional Names:****Manufacturer's Part Number:** \*Please refer to Section 16**Recommended Use:** Application via pressure washer to clean outdoor surfaces**Restrictions on Use:** Not for washing humans or animals**Company:** Sunshine Makers, Inc.

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**Telephone:** 800-228-0709 • 562-795-6000 *Mon – Fri, 8am – 5pm PST***Fax:** 562-592-3830**Email:** [info@simplegreen.com](mailto:info@simplegreen.com)**Emergency Phone:** Chem-Tel 24-Hour Emergency Service: 800-255-3924**Section 2: HAZARDS IDENTIFICATION****This product is not regulated under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200). This product has been classified and labeled in accordance with the CPSC Federal Hazardous Substances Act (16 CFR 1500).**OSHA HCS 2012Label Elements**Signal Word:** Not determined**Hazard Symbol(s)/Pictogram(s):**

Not determined

**Hazard Statements:** Not determined**Precautionary Statements:** Not determined**Hazards Not Otherwise Classified (HNOC):** Not determined**Other Information:** None KnownCPSC FHSA**Emergency Overview:** This is a colorless liquid with no added odor. No health hazards expected from typical use.*Refer to Section 4 and 11 for health hazard identification.*Label Elements**Signal Word:** CAUTION**Precautionary Statements:** IRRITANT. May irritate eyes.**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	> 88.50%*
Ethoxylated alcohols	Proprietary Blend	< 5.0%*
Hydrogen peroxide solution	7722-84-1	< 5.0%*
Tetrasodium <i>N,N</i> -bis(carboxymethyl)-L-glutamate	51981-21-6	< 1.0%*
Citric acid	77-92-9	< 1.0%*
Etidronic acid	2809-21-4	< 0.5%*

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

**Section 4: FIRST-AID MEASURES****Inhalation:** Remove person to fresh air and keep comfortable for breathing.**Skin Contact:** If skin irritation occurs: Get medical advice/attention.**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.**Ingestion:** May cause stomach upset. Drink plenty of water to dilute. See section 11.**Most Important Symptoms/Effects, Acute and Delayed:**

None known.

**Indication of Immediate Medical Attention and Special Treatment Needed, if necessary:**

Treat symptomatically

**Section 5: FIRE-FIGHTING MEASURES**

**Suitable & Unsuitable Extinguishing Media:** Use extinguishing measures appropriate to local circumstances and surrounding environment. Water fog is suitable but avoid high-pressure jet water.

**Combustion Products:** Fire-created carbon oxides, nitrogen oxides (NOx), or oxygen may be formed.

**Special Protective Actions for Fire-Fighters:** In the event of fire, wear positive pressure self-contained breathing apparatus; Wear full protective clothing. Follow standard procedure for chemical fires.

*This product is non-flammable. See Section 9 for Physical Properties.*

**Section 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures:**

*For non-emergency personnel:* See section 8 – personal protection.

*For emergency responders:* Avoid eye contact. Use protective gloves and safety goggles. Wear self-contained breathing apparatus.

**Environmental Precautions:** Do not allow large quantities into open waterways and ground water systems.

**Methods and Materials for Containment and Clean Up:** Recover spilled material if possible. Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

**Section 7: HANDLING AND STORAGE**

**Precautions for Safe Handling:** Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

**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 95°F (35°C) or freezing temperatures.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limit Values:**

Ingredients	CAS #	Value	Control parameters	Update	Basis
Hydrogen peroxide solution	7722-84-1	TWA	1 ppm	2013-03-01	ACGIH
		TWA		2013-10-08	NIOSH REL
		CAL PEL	1 ppm	2014-11-26	CAL PEL (as H <sub>2</sub> O <sub>2</sub> )
		TWA	1.4 mg/m <sup>3</sup>	1989-01-19	OSHA PO
		TWA	1 ppm	1997-08-04	OSHA Z-1

**Appropriate Engineering Controls:** Showers, eyewash stations, ventilation systems

**Individual Protection Measures / Personal Protective Equipment (PPE)**

**Eye Contact:** Use protective glasses or safety goggles if splashing or spray-back is likely.

**Respiratory:** Use in well ventilated outdoor areas

**Skin Contact:** Use protective gloves (any material) for situations of lengthy skin contact

**General Hygiene Considerations:** Wash hands thoroughly after handling and before smoking, eating or drinking.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear Liquid	<b>Partition Coefficient: n-octanol/water:</b>	Not determined
<b>Odor:</b>	No added fragrance	<b>Autoignition Temperature:</b>	Non-flammable
<b>Odor Threshold:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>pH:</b>	6.0 – 7.0	<b>Viscosity:</b>	1

Freezing Point: 0°C (32°F)

Specific Gravity:

1.0 – 1.015

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES - continued**

<b>Boiling Point &amp; Range:</b>	101°C (213.8°F)	<b>VOCs:</b>	<i>**Water exemption in calculation</i>		
<b>Flash Point:</b>	> 212°F	SCAQMD 304-91 / EPA 24:	Not tested		
<b>Evaporation Rate:</b>	Not determined	CARB Method 310**:	0 g/L	0 lb/gal	0.0%
<b>Flammability (solid, gas):</b>	Not applicable	SCAQMD Method 313:	Not tested		
<b>Upper/Lower Flammability or Explosive Limits:</b>	Not applicable	<b>VOC Composite Partial Pressure:</b>	Not determined		
<b>Vapor Pressure:</b>	Not determined	<b>Relative Density:</b>	8.34 – 8.465		
<b>Vapor Density:</b>	Not determined	<b>Solubility:</b>	100% in water		

**Section 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Non-reactive.
<b>Chemical Stability:</b>	Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
<b>Possibility of Hazardous Reactions:</b>	Contains hydrogen peroxide. Avoid excessive heat and contact with strong bases.
<b>Conditions to Avoid:</b>	Excessive heat or cold.
<b>Incompatible Materials:</b>	Do not mix with anything other than water.
<b>Hazardous Decomposition Products:</b>	Contamination from various metals and organic materials may cause rapid decomposition, resulting in oxygen gas release or buildup if not properly vented.

**Section 11: TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Inhalation - Breathing in mist could irritate nose and throat.
	Skin Contact - May cause mild skin Irritation
	Eye Contact - May cause eye irritation.
	Ingestion - May cause stomach upset.

*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 symptoms expected under typical use conditions.

*Delayed and immediate effects and or chronic effects from long-term exposure:* Irritated mucous membranes of nose and throat, dry skin, or skin irritation may occur.

*Interactive effects:* Not known.

Numerical Measures of Toxicity

**Acute Toxicity:** Calculated Oral LD<sub>50</sub> 19,833 mg/kg [> 5,000 mg/kg]

*Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals*

<b>Skin Corrosion/Irritation:</b>	Mild Skin Irritant based on ingredient information. No animal testing performed
<b>Eye Damage/Irritation:</b>	Eye Irritant based on ingredient information. No animal testing performed.
<b>Germ Cell Mutagenicity:</b>	Mixture does not classify under this category.
<b>Carcinogenicity:</b>	Mixture does not classify under this category.
<b>Reproductive Toxicity:</b>	Mixture does not classify under this category.
<b>STOT-Single Exposure:</b>	Mixture does not classify under this category.
<b>STOT-Repeated Exposure:</b>	Mixture does not classify under this category.
<b>Aspiration Hazard:</b>	Mixture does not classify under this category.

**Section 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
<b>Aquatic:</b>	Not tested on finished formulation.
<b>Terrestrial:</b>	Not tested on finished formulation.



**Section 16: OTHER INFORMATION****Size**

1 US Gallon

**UPC**

043318005350

*USA item listed only. May not be valid for international sale.***NFPA:**

Health – Eye Irritant

Stability – Stable

Flammability – Non-flammable

Special - None

**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 (USA)	DSL	Domestic Substances List (Canada)
AICS	Australian Inventory of Chemical Substances	KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals	PICCS	Philippine Inventory of Chemicals & Chemical Substances
ENCS	Existing and New Chemical Substances (Japan)	IECSC	Inventory of Existing Chemical Substances Produced or Imported to China
ISHL	Industrial Safety & Health Law (Japan)	CH INV	New notified substances and declared preparations. (Switzerland)

**Prepared / Revised By:** Sunshine Makers, Inc., Regulatory Department.**This SDS has been revised in the following sections:** Not applicable

**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.