Version No. 19010-15A Issue Date: May 1, 2015 Supersedes Date: September 24, 2014 OSHA HCS-2012/GHS

# Section 1: IDENTIFICATION

**Product Name:** Foaming Crystal Simple Green® Industrial Cleaner & Degreaser

**Additional Names:** 

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

**Recommended Use:** Cleaner & Degreaser for water tolerant surfaces.

**Restrictions on Use:** Do not use on non-rinsable surfaces.

**Company:** Sunshine Makers, Inc. **Telephone:** 800-228-0709 ● 562-795-6000 *Mon – Fri, 8am – 5pm PST* 

15922 Pacific Coast Highway **Fax:** 562-592-3830

Huntington Beach, CA 92649 USA **Email:** info@simplegreen.com

**Emergency Phone:** Chem-Tel 24-Hour Emergency Service: 800-255-3924

#### Section 2: HAZARDS IDENTIFICATION

This product is classified as hazardous (Compressed Gas; Eye Corrosive/Irritant - Category 2B) under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

OSHA HCS 2012

Label Elements

Signal Word: Warning Hazard Symbol(s)/Pictogram(s):



#### **Hazard Statements:**

H280 – Contains gas under pressure; may explode if heated.

H320 – Causes eye irritation.

#### **Precautionary Statements:**

P410 + P403 – Protect from sunlight. Store in a well-ventilated place.

P264 – Wash hands thoroughly after handling.

P305 + P351 + P338 – IF IN EYS: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

Hazards Not Otherwise Classified (HNOC): Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

#### Other Information:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P251 – Do not pierce or burn, even after use.

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<b>CAS Number</b>	Percent Range
Water	7732-18-5	> 82%*
Ethoxylated Alcohol	68439-46-3	< 5%*
Sodium Citrate	68-04-2	< 5%*
Tetrasodium N,N-bis(carboxymethyl)-L-glutamate	51981-21-6	< 1%*
Sodium Carbonate	497-19-8	< 1%*
Citric Acid	77-92-9	< 1%*
Butane	106-97-8	3.7%*
Propane	74-98-6	1.3%*

stspecific percentages of composition are being withheld as a trade secret

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## Section 4: FIRST-AID MEASURES

**Inhalation:** Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air. **Skin Contact:** Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.

Eye Contact: Causes eye irritation. IF IN EYS: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** May cause upset stomach. 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 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 may be formed.

**Special Protective Actions for Fire-Fighters:** Wear positive pressure self-contained breathing apparatus; Wear full protective

clothing.

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 and emergency personnel: See section 8 – personal protection. Avoid eye contact. Wear safety goggles.

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

**Methods and Materials for Containment and Clean Up:** 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 flames/hot surfaces. No smoking. Do not pierce or burn, even after use. 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. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values: TWA/PEL STEL

Butane 800 ppm; 1900 mg/m³ 1000 ppm Propane 1000 ppm; 1800 mg/m³ 1250 ppm

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 areas or local exhaust ventilations when cleaning small spaces.

Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Foam Partition Coefficient: n-octanol/water: Not determined

Odor: No added odor Autoignition Temperature: Non-flammable

Odor Threshold: Not determined Decomposition Temperature: 109°F

**pH:** 10.5 – 11.5 **Viscosity:** Not determined

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES - continued

Freezing Point:  $0^{\circ}\text{C }(32^{\circ}\text{F})$  Specific Gravity: 1.00 - 1.02

**Boiling Point & Range:** 101°C (213.8°F) **VOCs:** \*\*Water & fragrance exemption in calculation

Flash Point: > 212°F SCAQMD 304-91 / EPA 24: Not tested

**Evaporation Rate:** Not determined CARB Method 310\*\*: <54 g/L <0.451 lb/gal <5.4%

Flammability (solid, gas): Not applicable SCAQMD Method 313: Not tested

Upper/Lower Flammability or Explosive Limits:Not applicableVOC Composite Partial Pressure:Not determinedVapor Pressure:Not determinedRelative Density:8.34 – 8.44 lb/gal

Vapor Density:Not determinedSolubility: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: None known.

**Conditions to Avoid:** Excessive heat or cold.

**Incompatible Materials:** Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.

**Hazardous Decomposition Products:** Normal products of combustion - CO, CO2.

# Section 11: TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation - Overexposure may cause headache.

Skin Contact - Not expected to cause irritation, repeated contact may cause dry skin.

Eye Contact - Causes eye irritation.
Ingestion - May cause upset stomach.

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: headache, dry skin, or skin irritation may occur. Interactive effects: Not known.

#### **Numerical Measures of Toxicity**

Acute Toxicity: Oral LD<sub>50</sub> (rat) > 5 g/kg body weight

Dermal LD<sub>50</sub> (rabbit) > 5 g/kg body weight

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

**Skin Corrosion/Irritation:** No ingredients trigger or classify under this category.

Eye Damage/Irritation:

Germ Cell Mutagenicity:

Carcinogenicity:

Mixture does not classify under this category.

## **Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity: Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of

Classification and Labelling of Chemicals.

Aquatic: Not tested on finished formulation.

Terrestrial: Not tested on finished formulation.



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# Section 12: ECOLOGICAL INFORMATION - continued

**Persistence and Degradability:** Based on similar formulations, foam is expected to be readily biodegradable.

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:** May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

**Empty Containers:** Dispose of in accordance with local regulations.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

#### Section 14: TRANSPORT INFORMATION

**U.N. Proper Shipping Name:** Aerosol

Transport Hazard Class(es): 2.2
Packing Group: none

**Environmental Hazards:** Marine Pollutant - NO

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

Special precautions which user needs to be aware of/comply with, in connection None known.

with transport or conveyance either within or outside their premises:

#### Section 15: REGULATORY INFORMATION

All components are listed on: TSCA and DSL Inventory.

**SARA Title III:** Sections 311/312 Hazard Categories – Not applicable.

Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable.

Sections 302 – Not applicable.

<u>Clean Air Act (CAA):</u> Butane (106-97-8) CAA 112(r) TQ 10,000 lbs

Propane (74-98-6) CAA 112 (r) TQ 10,000 lbs

**Clean Water Act (CWA):** Not applicable

State Right To Know Lists: Butane (106-97-8) Massachusetts, New Jersey, Pennsylvania

Propane (74-98-6) Massachusetts, New Jersey, Pennsylvania

<u>California Proposition 65:</u> No ingredients listed

**Texas ESL:** 

Ethoxylated Alcohol 68439-46-3 60 μg/m<sup>3</sup> long term 600 µg/m<sup>3</sup> short term Sodium Citrate 68-04-2 5 μg/m<sup>3</sup> long term 50 μg/m<sup>3</sup> short term Sodium Carbonate 497-19-8 5 μg/m<sup>3</sup> long term 50 μg/m<sup>3</sup> short term Citric Acid 77-92-9 10 μg/m³ long term 100 μg/m³ short term Butane 106-97-8 1000 ppb, 2375 μg/m<sup>3</sup> long term 10000 ppb, 23750 μg/m<sup>3</sup> short term

# **Section 16: OTHER INFORMATION**

<u>Size</u> <u>Item Number</u> <u>UPC</u>

 20 oz.
 0600000119010 & 0680100119010
 043318000157

 20 oz., 12 per case
 0610001219010 & 0680101219010
 043318000157

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# Section 16: OTHER INFORMATION - continued

<u>Size</u> <u>Item Number</u> <u>UPC</u>

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

**Prepared / Revised By:** Sunshine Makers, Inc., Regulatory Department. **This SDS has been revised in the following sections:** Classification Update

**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.