

# Simple Green Lime Scale Remover

SAFETY DATA SHEET in accordance with REGULATION (EC) No 1907/2006

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

**Trade Name:** Simple Green Lime Scale Remover  
**Article Number(s):** 50014 – 500ml UK; 72105 – 500 ml; 72101 – 1000 ml; 72110 – 10 kg; 50155 – 210 kg

**Use of the preparation:** Cleaning Agent

<b>Company:</b>	Sunshine Makers Inc. 15922 Pacific Coast Highway Huntington Beach, California 92649 USA	Simple Green Europe Immeuble ORIX 16 Avenue Jean Jaures 94600-Choisy-Le-Roi, France
<b>Telephone:</b>	+1 562 795 6000	+33 1 48 90 6699
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**Emergency Telephone:** Chem Tel (International) - +1-813-248-0585

## 2 HAZARDS IDENTIFICATION

**Directive 67/548/EEC:** Non-hazardous  
**CHIP 2009 n. 716:** Non-hazardous  
**Directive 1999/45/EC:** Non-hazardous

**Dangers to Man:** May cause mild eye and skin irritation.

**Dangers to Environment:** Ecological injuries are not known or expected under normal use

## 3 COMPOSITION ON INGREDIENTS

<u>CAS No.</u>	<u>Registration No.</u>	<u>EEC No.</u>	<u>Ingredient</u>	<u>% range</u>	<u>Symbol</u>	<u>R-Phrase*</u>
506-89-8	n.av	208-059-6	Urea Hydrochloride	1-5%	Xn	R22/38/41
68131-39-5	n.av.	500-195-7	Alcohols, C12-C15, ethoxylated	1-5%	Xi, N	R22/41/50

\* Please refer to section 16 for full R- Phrases

## 4 FIRST AID MEASURES

**Inhalation:** Move to fresh air in case of inhalation overexposure. If coughing or irritation persists, consult a physician.

**Skin:** Wash with water. If redness, swelling or persistent irritation occurs consult a physician.

**Eye Contact:** Rinse eyes and under eyelids thoroughly with plenty of water for 15 minutes. If irritation persists obtain medical attention.

**Ingestion:** Clean mouth with water. Drink plenty of water. Do not induce vomiting. If you feel unwell seek medical advice immediately.

**Note to Physician:** Treat Symptomatically.

## 5 FIRE FIGHTING MEASURES

**Formulation is Stable, non-flammable, and will not burn. No special procedures necessary.**

**Suitable Extinguishing Media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Extinguishing Media to Avoid:** High volume water Jet.

**Special Exposure Hazards:** In event of fire created carbon oxides, oxides of phosphorus may be formed.

**Special Protective Equipment:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** See section 8 – Personal Protective Equipment
- Environmental Precautions:** Do not allow into open waterways and ground water systems. Local authorities should be advised if significant spillages cannot be contained.
- Methods for Clean Up:** Dilute with water and rinse into sanitary sewer systems or soak up with inert absorbent material (i.e. sand).

## 7 HANDLING AND STORAGE

**Handling:** Keep container tightly closed. Ensure adequate ventilation. Spills can be cleaned with water and rinsed into sanitary sewer systems or soaked up with inert material.

**Storage:** Keep in cool dry area.

**Specific Uses:** Cleaner for use on mineral build up, soap scum, and scale around bathrooms and kitchens or other areas where running water is common. Apply to pre-wetted surface, scrub and rinse away. Do not use on limestone, marble or similar surfaces.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Limit Values:** n.ap.

### Exposure Controls

#### Occupational

- Respiratory:** In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand:** Prolonged exposure or dermal sensitive individuals should use protective gloves.
- Eye:** If splashing is likely use protective glasses.
- Skin:** None.

**Environmental** Do not dispose into ground water systems.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear Aqua Liquid	<b>Partition Coefficient:</b>	n.av.
<b>Odor:</b>	Wintergreen Herbal	<b>Viscosity:</b>	< 20mPA*s
<b>pH (concentrate):</b>	1,0 – 1,5	<b>Vapour Density:</b>	n.av.
<b>Boiling Point:</b>	100°C	<b>Evaporation Rate:</b>	> 1 (butyl acetate = 1)
<b>Flash Point:</b>	n.ap.	<b>Miscibility:</b>	n.ap.
<b>Flammability:</b>	n.ap.	<b>Fat Solubility:</b>	n.ap.
<b>Explosive Properties:</b>	n.ap.	<b>Conductivity:</b>	n.ap.
<b>Oxidizing Properties:</b>	n.ap.	<b>Melting Point:</b>	n.ap.
<b>Vapour Pressure:</b>	18 mmHg @ 20C; 23.5 mmHg @ 26C	<b>Auto-Ignition:</b>	n.ap.
<b>Relative Density:</b>	1,023 g/ml	<b>Solvent content?</b>	0%
<b>Solubility:</b>	100%	<b>Freezing Point:</b>	0°C
<b>Water Solubility:</b>	100% Miscible		

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## 10 STABILITY AND REACTIVITY

**Conditions to avoid:** None under normal use.  
**Materials to avoid:** Strong oxidizing agents.  
**Hazardous decomposition products:** No decomposition if used as directed.

## 11 TOXICOLOGICAL INFORMATION

<b>Inhalation (LC50, rat, mg/l/4h):</b>	n.av.	<b>Carcinogenicity:</b>	No
<b>Oral (LD50, rat, mg/kg):</b>	>10000	<b>Mutagen:</b>	No
<b>Dermal (LD50, rat, mg/kg):</b>	n.av.	<b>Teratogenicity:</b>	No
<b>Irritation (skin):</b>	No	<b>Reproductive Toxicity:</b>	No
<b>Irritation (eyes):</b>	No	<b>Narcotic Effects:</b>	No
<b>Sensitisation:</b>	No		

Classification of the preparation has been done by calculation in accordance with EEC directives.

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** Rainbow trout (*Oncorhynchus mykiss*) > 100 ppm

**Mobility:** n.av

**Persistence and degradability:**

**Biodegradability:** Readily Biodegradable – OECD 302B: 99% after 14 days

**Bioaccumulative potential :** n.av

**Results of pbt assessment:** n.av

**BOD5-Value, mg/g :** n.av

**AOX-Remarks :** n.av

**Significant Components :** n.av

**Other adverse effects :** None

## 13 DISPOSAL CONSIDERATIONS

Disposal of any used or unused preparation down any sanitary sewer system and in accordance with regional authorities.

Disposal of Packaging by triple rinsing and offering up for recycling and in accordance with regional authorities.

Never dispose of preparation into lakes, streams, and open bodies of water or storm drains.

Be sure to follow any National or Regional provisions that may be in force.

## 14 TRANSPORTATION INFORMATION

**IMO/ IDMG:** Not Classified as Dangerous.

**ADR/RID:** Not Classified as Dangerous.

**ICAO/IATA:** Not Classified as Dangerous.

**UN Number:** Not Required

**Class:** Non-Hazardous

**Proper Shipping Name:** n.ap.

**Packing Group:** n.ap.

**Marine pollutant:** No

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## 15 REGULATORY INFORMATION

This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

**Based on relevant formula test data and formula composition this product is not classified as Dangerous or Hazardous according to the standards set forth in Directive 67/548/EEC, Directive 1999/45/EC and CHIP 2009 n. 716.**

### R-Phrase

n.ap

### Hazard Symbols

n.ap

### S-Phrase

S2: Keep out of the reach of children.

S50: Do not mix with any other cleaning agents.

### Additional Markings

Contains Potassium Iodide. May produce an allergic reaction.

### VOC Content

Contains 0,0% VOC according to California Air Resources Board Method 310.

## 16 OTHER INFORMATION

### R-Phrase

R 22: Harmful if swallowed.

R 38: Irritating to skin.

R 41: Risk of serious damage to eyes.

R 50: Very toxic to aquatic organisms.

50014 – 500ml UK

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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