Simple Green® All-Purpose Cleaner

SAFETY DATA SHEET in accordance with REGULATION (EC) No 1907/2006 & (EU) No 2015/282

1 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product Identifier: Simple Green® All-Purpose Cleaner
Manufacturer Numbers: Please See Section 16

Relevant identified uses of mixture: Cleaning/Degreasing agent for all rinsable surfaces.
Relevant identified uses advised against: Surfaces not tolerant to degreasing agents, non-rinsable surfaces.

Company: ECS/Simple Green UK
Quarry Lodge, Stone Quarry Road
Chelwood Gate
East Sussex
RH17 7LS
Telephone: +44 (0) 1825 740575 **Fax:**
Email: info@simplegreen.co.uk

Emergency Telephone: UK NHS: dial 111 or your doctor

2 HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008 [CLP]: Not classifiable as hazardous under CLP.

Label Elements **Hazard Pictograms:** None
Signal Word: None
Hazard Statements: None
Precautionary Statements: None
Supplemental Hazard Information: EUH208: Contains Methylchloroisothiazolinone and Methylisthiasolinone. May produce an allergic reaction.

Other Hazards: None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	EC No.	CLP Annex VI Index No.	REACH No.	% weight	Name	Classification According to (EC) No 1272/2008 (CLP)
68439-46-3	614-482-0	-	-	1 - 5%	C9-11 Ethoxylated Alcohol	Eye Dam. 1 - H318
68-04-2	200-75-3	-	-	1 - 5%	Sodium Citrate	Not classified
51981-21-6	257-573-7	-	-	1 - 5%	Tetrasodium N,N-bis(carboxymethyl)-L-glutamate	Not classified
497-19-8	207-838-8	-	-	1 - 5%	Sodium Carbonate	Eye Irrit. 2 - H319
77-92-9	201-069-1	-	-	0,1 – 1%	Citric Acid	Not classified
Proprietary	-	-	-	0,1 – 1%	Colorant	Not classified
Proprietary	-	-	-	0,1 – 1%	Fragrance	Not classified
55965-84-9	-	-	-	<0,0015%	Isothiazolinone mixture	Acute Tox. 3 – H301, H311 Skin Corr. 1B – H314 Skin Sens. – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410

For full text of H statements and symbols see section 16

4 FIRST AID MEASURES

General Notes: No expected hazards.

Following Inhalation: Move to fresh air in case of inhalation overexposure. If coughing or irritation persists consult a physician.
Following Skin Contact: Wash with water. If redness, swelling or persistent irritation occurs consult a physician.
Following Eye Contact: Wash with water. If redness, swelling or persistent irritation occurs consult a physician.

4 FIRST AID MEASURES - continued

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

Self-protection of the first aider: Treat Symptomatically.

Acute effects: None known or expected.

Delayed effects: None known or expected.

Immediate medical attention / special treatment: None needed.

5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, CO2, water spray or "alcohol" foam.

Unsuitable Extinguishing Media: High volume water Jet.

Hazardous combustion products: No hazards or reactions expected.

Advice for firefighters: No special equipment needed for this product. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6 ACCIDENTAL RELEASE MEASURES

Non-Emergency Personal

Protective Equipment: Safety Goggles are recommended if splashing or spray is likely.

Emergency Procedures: For small and large spills, wipe with absorbent material or soak with absorbent material and dispose of properly – see section 13

Emergency Responders: See instructions above.

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 containment: Dike or divert spill from access to open waterways, or capping of drains.

Methods for cleaning up: Soak up with inert absorbent material (i.e. sand).

Other information: Refer to section 13 for appropriate disposal.

7 HANDLING AND STORAGE

Precautions for safe handling

Protective Measures: Avoid spray back and splashing. Keep container tightly closed when not in use.

Measures to prevent fire: Not applicable. Non flammable liquid.

Measure to prevent aerosol and dust generation: Not applicable.

Measures to protect environment: Avoid spills and keep away from drains.

Advice on general occupational hygiene: Do not eat, drink and smoke in work area. Wash hands after using. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

Technical Measures and storage conditions: Store in cool dry area. Keep container tightly closed.

Packing Materials: Suitable for storage in HDPE and PET plastics.

Requirements for storage rooms and vessels: Do not allow to freeze or overheat.

Storage Class - Further information on storage conditions: None needed.

Specific End Uses - Recommendations: Cleaner / Degreaser used manually or with pressure washers and parts washers.

Specific End Uses - Industrial sector specific solutions: See above

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values: Sodium Carbonate (497-19-8) – Czech Republic - 10 mg/m^3 Ceiling; 5 mg/m^3 TWA
Sodium Carbonate (497-19-8) – Romania - 3 mg/m^3 STEL; 1 mg/m^3 TWA
Preservative (55965-84-9) – Austria – 0,05 mg/m^3 TWA

Exposure Controls

Appropriate Engineering Controls Avoid spray back and splashing. Keep container tightly closed when not in use.

Personal Protection Equipment

Eye and Face Protection: If splashing is likely use protective glasses or goggles.

Skin Protection - Hands: Not needed. Extended usage with dermally sensitive individuals may require nitrile gloves.

Skin Protection – Other skin protection: Not needed.

Respiratory Protection: Not needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal Hazards: Not needed.

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green Liquid	**Vapour Density:**	Not tested
Odor:	Added Sassafras Odor	**Relative Density** ASTM D-4017**:**	1,025 g/ml
Odor Threshold:	Not determined	**Solubility:**	100% in water
pH ASTM D-1293**:**	8,5 – 9,5	**Partition Coefficient:**	Not tested
Freezing Point ASTM D-1177**:**	0 – 3,33°C (32 - 38°F)	**Auto-Ignition Temperature:**	None, see flash point
Boiling Point ASTM D-1120**:**	101°C (213.8°F)	**Decomposition Temperature:**	Not tested
Flash Point ASTM D-93**:**	None	**Viscosity:**	Not tested
Evaporation Rate:	Not tested	**Explosive Properties:**	None, see flash point
Flammability:	None, see flash point	**Oxidizing Properties:**	None, contains no oxidizers
Vapour Pressure:	Not determined	**VOCs** CARB Method 310**:**	0,25%
Upper/Lower Flammability or explosive limits:	Not applicable		

10 STABILITY AND REACTIVITY

Reactivity: Not reactive.
Chemical Stability: Under storage at normal ambient temperatures (minus 40° C to + 40° C), the product is stable
Possibility of Hazardous Reactions: No known hazardous reactions
Conditions to avoid: Excessive heat, light or freezing temperatures
Incompatible Materials: Materials susceptible to degreasing agents.
Hazardous decomposition products: No known hazardous decomposition products.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity (for mixture)- **Oral (LD_{50}, rat, mg/kg):** > 5000[1] **Dermal (LD_{50}, rat, mg/kg):** > 5000[1]
Inhalation (LC_{50}, rat, mg/l/4h): Contains no ingredients classifiable in this category

Skin Corrosion /Irritation: Non-irritant per Dermal Irritection® assay modeling. No animal testing performed.
Serious Eye damage/Irritation: Non-irritant per Ocular Irritection® assay modeling. No animal testing performed.

Respiratory or skin sensitization: No.[2] **Carcinogenicity:** No.[2]
Germ cell mutagenicity: No.[2] **Reproductive toxicity:** No.[2]
Summary of evaluation of CMR properties: Mixture and ingredients are not classifiable according to CLP in this category.
STOT-single exposure: No.[2] **STOT-repeated exposure:** No.[2]
Aspiration hazard: No.[2]

11 TOXICOLOGICAL INFORMATION - continued

[1] calculated via (EC) No 1272/2008 on Classification, Labelling and Packaging of substances and mixtures. No animal testing performed.
[2] Mixture, based on ingredients, is not classifiable according to CLP in this category.

12 ECOLOGICAL INFORMATION

Toxicity

Acute		**Chronic**	
Fish:	Aquatic Toxicity – Low , based on OECD 201, 202, 203 + Microtox: EC_{50} & IC_{50} ≥100 mg/L.	**Fish:**	Not tested
Crustacea:		**Crustacea:**	Not tested
Algae/aquatic plants:		**Algae/aquatic plants:**	Not tested
Other organisms:	Not tested	**Other organisms:**	Not tested

Persistence and degradability:
Abiotic Degradation: Surfactant degrades abiotically **Physical- and photo-chemical elimination:** Not assessed
Biodegradation: Readily Biodegradable per OECD 301D, Closed Bottle Test.

Bioaccumulative potential
Partition coefficient n-octanol/ water (log Kow): Not assessed **Bioconcentration factor (BCF):** Not assessed

Mobility in soil
Known or predicted distribution to environmental compartments: Unknown
Surface Tension: Not tested **Adsorption/Desorption:** Not tested

Results of PBT and vPvB assessment: Contains no ingredients known as PBT or vPvB.
Other adverse effects: Unknown
Additional Information: None

13 DISPOSAL CONSIDERATIONS

Unused and Used liquid disposal: May be considered hazardous in your area depending on usage and tonnage of disposal – check product IDS and with local, national and European waste management legislation for appropriate methods of disposal. *Waste should not be disposed of by release to sewers.*
Empty Container disposal: Triple rinse plastic bottles and offer all up for recycling.

Never dispose of mixtures 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

DOT / TDG: Not classified as hazardous.
IMO / IDMG: Not classified as hazardous.
ICAO-TI/ IATA-DGR: Not classified as hazardous.
ADR / RID / ADN: Not classified as hazardous.
ADN tank vessels: Not classified as hazardous.

UN Number: Not applicable
UN Proper Shipping Name: Cleaning Compound
Transport Hazard Class(es): Non-Hazardous
Packing Group: Not applicable
Environmental Hazards: Not applicable
Special Precautions for User: Check section 3, section 7 and IDS for ingredient classification
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15 REGULATORY INFORMATION

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

Detergent Regulation 648/2004/EC : Please see separate IDS for full ingredient disclosure

Germany – Water Classification Sodium Carbonate (497-19-8) – ID Number 222, Hazard Class 1
Ethoxylated Alcohol (68439-46-3) – ID Number 670, Hazard Class 2
Citric Acid (77-92-9) – ID Number 57, Hazard Class 1
Preservative (55965-854-9) – ID Number 2959, Hazard Class 3

Russia: Citric Acid (77-92-9) 0.1 mg/m^3 MAC

Additional Markings: None.

VOC Content: 0,25% (2,5 g/L) in concentrate

Chemical Safety Assessment: No chemical safety assessment has been carried out for this mixture by the supplier.

16 OTHER INFORMATION

Abbreviations

H301 – Toxic if swallowed
H311 – Toxic in contact with skin
H314 – Causes sever skin burns and eye damage
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage
H319 – Causes serious eye irritation
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) Nr. 1272/2008

Classification	Procedure
Not classifiable under this regulation	InVitro Irritection Test Data and Calculation

Manufacturer Numbers:

Size	Manufacturer Number	UPC
473 mL	2708500100016	0-43318-00176-5
500 mL	2700500172305; 2710501272305	0-43318-72305-6
946 mL	2708500100032; 2718501200032	0-43318-00177-2
946 mL	2700500172303; 2710501272303	0-43318-00195-6
1 L	72301	0-43318-72301-8
1 L	2707500172301; 2717501227301	0-43318-00160-4
10 L	2700500172310; 72310	0-43318-72310-0
208 L	2700500172320	0-43318-72320-9

The statements in this 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.

Date of Issue: 13.02.2020 **Replaces Data Sheet of:** 04.09.2014
Indication of changes: Update to Importer Contact Information in section 1 and date
Responsible Party for SDS: Simple Green Research & Development Department, info@simplegreen.com