

1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY	Simple Green Limescale Remover
1.1 Product name Intended Use:	Simple Green Limescale Remover Limescale Remover
1.2 Producer/Distributor	Environmental Cleaning Solutions 85 The Broadway, London, SW19 1QE Tel: +44 1726 891 199 Fax: +44 1726 891 187
Emergency phone No:	Tel: +44 1726 891 199

2. COMPOSITION / INFORMATION ON INGREDIENTS	
2.1 The product contains: Hydroxyacetic	CAS-No. 79-14-1 201-180-5 5-10% Xn R/S indications R22/36

3. HAZARDS IDENTIFICATION	
3.1 Skin contact	May cause irritation
3.2 Eye contact	May cause irritation
3.3 Ingestion	Harmful to mucous membranes

4. FIRST AID MEASURES	
4.1 General recommendations	No special requirements
4.2 Inhalation	Non-toxic. Remove to fresh air.
4.3 Skin contact	Rinse skin with water. Remove contaminated clothing.
4.4 Eye contact	Reddening may develop. Immediately rinse with plenty of clean fresh water for 10-15 minutes. Get medical attention if irritation persists.
4.5 Ingestion	Do not induce vomiting. Drink several glasses of water.

5 FIRE FIGHTING MEASURES	
5.1 General	Non flammable and not combustible. If involved in a fire, use extinguishing media appropriate to the source of the fire
5.2 Extinguishing media which must not be used:	None
5.3 Special exposure hazards:	None
5.4 Special protective equipment for fire-fighters	None

6 ACCIDENTAL RELEASE MEASURES	
6.1 Precautionary Measures for Personal Protection	None. Use rubber gloves for prolonged contact.
6.2 Precautionary Measures for Environment	Recover usable material by convenient method. If necessary, unrecoverable material may be washed to drain with large quantities of water.
6.3 Procedures for Waste Disposal	As the product is fully water soluble and biodegradable, it will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable laws.

7 HANDLING AND STORAGE	
7.1 Handling	No special precautions are required
7.2 Warehousing	No special precautions are required
7.3 Fire Protection	No special precautions are required

8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1 Engineering Measures	No special requirements under normal conditions
8.2 Respiratory Protection	No special requirements under normal conditions
8.3 Hand Protection	No special requirements under normal conditions
8.4 Eye Protection	Caution, and reasonable eye protection, should always be used to avoid eye contact.
8.5 Skin Protection	No special requirements under normal conditions

9 PHYSICAL AND CHEMICAL AND PROPERTIES	
9.1 Appearance	Liquid
9.2 Colour	Transparent green
9.3 Odour	Mint odour
9.4 Change of condition - liquid / solid	- 9 °C
- Boiling Point	96.7 °C
9.5 Specific Gravity	1.029
9.6 Gravity of powders	n.a.
9.7 Vapor Pressure	57mm Hg 20°C
9.8 Viscosity	< 20 mPa.s
9.9 Water solubility	100 %
Solubility in acetone	n.a.
9.10 pH	100% at 20°C 1.8 10% at 20°C
9.11 Coefficient	n-octanol / water n.a.

9 PHYSICAL AND CHEMICAL AND PROPERTIES (Continued)	
9.12 Flashpoint	Nonflammable
9.13 Autoignition temperature	Nonflammable
9.14 Flammability Limits lower / upper	Nonflammable
9.15 Additional Data	
9.15.1 Evaporation Rate	0.2 @ (Butylacetate = 1
9.15.2 Volatile Organic Compounds	0.2 g/L
9.15.3 VOC Composite Partial Pressure	n.a.
9.15.4 Ash Content	n.a.
9.15.5 Nutrient Content	n.a.

10 STABILITY AND REACTIVITY	
10.1 Conditions to avoid	n.a.
10.2 Avoid contact with	Do not mix with other products especially chlorinated ones.
10.3 Dangerous reactivity data	Non-reactive. The Product is stable, even under fire conditions and will not react with water or oxidizers. Hazardous polymerisation will not occur

11 TOXICOLOGICAL INFORMATION	
11.1	No adverse effects or risks from exposure

12 ECOLOGICAL INFORMATION	
12.1 Mobility	Completely soluble in water. The higher salt concentrations in marine ecosystems will lead to complexes with SimpleGreen that may become visible at ratios above one part SimpleGreen to 99 parts seawater
12.2 Degradability	Easily biodegradable. 94% within 14 days, 99% within 28 days. OECD Test 302 B, DOC-Analytik
12.3 Accumulation	SimpleGreen is readily decomposed by naturally occurring microorganisms
12.4 Marine Toxicity	SimpleGreen is nontoxic
12.5 Additional Information	Based upon chemical analysis, SimpleGreen contains no known EPA priority pollutants, heavy metals, or chemicals listed under TSCA, RCRA, CERCLA or CWA. Analysis by TCLP (Toxicity Characteristic Leaching Procedure) according to RCRA revealed no toxic organic or inorganic constituents

13 DISPOSAL CONSIDERATIONS	
13.1. Product	Original bottled products return to dealer. Smaller quantities may be disposed by sewer-system (See 6.3)
13.2 Waste Disposal Code	n.a.
13.3 Containers/Packaging materials	May be recycled

14 TRANSPORT INFORMATION			UN-Nr. n.a.
14.1. Ground transportation	GGVE/GGVS	n.a	
	ADR/SDR	n.a	
14.2 Transportation on sea/ship	GGVESee	n.a.	
	IMDG-Code	n.a.	
14.3 Transportation on rivers/lakes	ADNR	n.a	
14.4 Air transportation	ICAO/IATA-DGR	n.a	

15 REGULATORY INFORMATION	
15.1 European Community (EC)	EC-Guideline: 88/379/EWG and following
15.1.1 Label for Supply	n.a
15.1.2 Risk Phrases	n.a.
15.1.3 Safety Phrases	n.a.

Hazard Rating (NFPA):

Health = 1*	Reactivity = 0
Fire = 0	Special = 0

Rating Scale:

0 = minimal	1 = slight
2 = moderate	3 = serious
4 = severe	

16 OTHER INFORMATION	
Notice	
16.1 The information contained in this data sheet is provided in accordance with the requirements of the Chemicals(Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. He provisions of the Health and Safety at Work etc Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.	