

1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY		Simple Green D/Antibacterial	
1.1 Product name Intended Use:		Simple Green D/Antibacterial Antibacterial, Cleaner & Degreaser	
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 OF THE PRODUCT			
2.1 The product also contains:			R/S indications
BARDAC 205M			
- n-Alkyl-dimethyl benzyl ammonium chloride	CAS Nr.	68424-85-1	
- Di-n-alkyl dimethyl ammonium chloride	CAS Nr.	68424-95-3	
- Ethyl alcohol	CAS Nr.	64-17-5	

3. PRECAUTIONS	
3.1	Precautionary statements for humans and environment Mild eye irritant

4. FIRST AID TREATMENT	
4.1 General recommendations	No special requirements
4.2 After inhalation	Non-toxic. Watch for good ventilation
4.3 After skin contact	Rinse skin with water. Change contaminated clothes or shoes immediately
4.4 After 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 After swallowing	Do not induce vomiting. Drink several glasses of water

5 FIRE FIGHTING PROCEDURES	
5.1 Extinguishing media	No special procedures required
5.2 Not recommended media	None
5.3 Specific dangers during fire fighting	None
5.4 Special protective equipment for fire-fighting	None
Since the product is not combustible or flammable, if involved in a fire, use extinguishing media appropriate to the source of the fire	

6 ACCIDENTAL RELEASE MEASURES	
6.1 Precautionary Measures for Personal Protection	None.
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 LIMITS AND PERSONAL PROTECTION	
8.1 Technical Precautionary Measures	No special requirements under normal conditions
8.2 Respiratory Protection	No special requirements under normal conditions
8.3 Skin 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 Full Body Protection	No special requirements under normal conditions
8.6 Exposure Limits and other requirements	Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists

9 PHYSICAL AND CHEMICAL AND PROPERTIES	
9.1 Appearance	Liquid
9.2 Colour	Green
9.3 Odor	Sassafras
9.4 Change of condition	Liquid / Solid
	Boiling Point
	- 9 °C
	98 °C
9.5 Specific Gravity	1.011
9.6 Gravity of powders	n.a.
9.7 Vapor Pressure	25mm 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 9.2 - 9.5 10% at 20°C 8.0 – 8.5
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 Vapor Density	1.3 (air/Luft/aire = 1)
9.15.2 Volatile Organic Compounds	8,06 g/L
9.15.3 VOC Composite Partial Pressure	mm Hg 20°C

10 STABILITY AND REACTIVITY	
10.1 Conditions to avoid	n.a.
10.2 Avoid contact with	Strong oxidizing or reducing agents
10.3 Dangerous reactivity data	Thermal decomposition may produce toxic fumes of organic chlorides, amines, hydrogen-chloride, ammonia and oxides of carbon and nitrogen. Hazardous polymerisation will not occur

11 TOXICOLOGICAL INFORMATION	
11.1	Contains no carcinogenic compounds!

12 ENVIRONMENTAL TOXICITY	
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. 92% within 14 days, 97% within 28 days. OECD Test 302 B, DOC-Analytik
12.3 Accumulation	SimpleGreen is readily decomposed by naturally occurring microorganisms
12.4 Marine Toxicity	Not established
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.
12.6 AOX Remarks	The product contains organic halogens

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	See national regulations (15.2....)
13.3 Containers/Packaging Materials	Simple Green residues can be completely removed by rinsing with water; the container may be recycled or applied to other uses.

14 TRANSPORT INFORMATION			UN-Nr.
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 Symbols of specific dangers	n.a.
15.1.2 Risk Phrases	n.a.
15.1.3 Safety Phrases	n.a.

Hazard Rating (NFPA):

0	0
1	0
0	0

Rating Scale:

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

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

16 OTHER INFORMATION	
Notice	
16.	All information appearing herein is based upon data obtained by the manufacturer and recognized technical sources.
1	Judgement as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of this information, SIMPLE GREEN AG or it's distributors extends no warranties, makes no representations and assumes no responsibility as to the suitability of such information for application to purchaser's intended purposes or for consequences of its use.