

### 1 Product and suppliers identification

1.1 Product name	<b>Simple Green - D / Antibacterial Disinfecting Cleaner &amp; Degreaser</b> Disinfecting cleaner and degreaser for all type of washable surfaces. Concentrated formula, dilute with water prior to use.	
1.2 Producer	<b>Simple Green AG European Operations Hürdweg 10 CH-8854 Galgenen</b>	<b>Tel: +41 (0)55 460 1212 Fax: +41 (0)55 460 1210</b>
Emergency phone	Swiss Toxicological Center, Zürich	Tel: +41 (0)1 251 5151
1.3 Distributor		
Emergency phone		

### 2 Composition of the Product

Ingredients	CAS-Nr	Content	R -sentences	S - sentences
<b>BARDAC 208M Mischung aus:</b>		<b>0 2,0 %</b>	<b>C 10-21/22-34</b>	<b>26-28-36/37/39</b>
<b>n-Alkyl-dimethyl benzyl ammonium chloride</b>	<b>68424-85-1</b>	<b>/ 48% /</b>	<b>0 0</b>	<b>0</b>
<b>Di-n-alkyl dimethyl ammonium chloride</b>	<b>68424-95-3</b>	<b>/ 32% /</b>	<b>0 0</b>	<b>0</b>
<b>Ethanol</b>	<b>64-17-5</b>	<b>/ 10% /</b>	<b>0 0</b>	<b>0</b>

### 3 Hazards identification

3.1 Hazard description:	<b>n.a.</b>
3.2 Information pertaining to particular dangers for man and environment	<b>R 36 Irritant pour les yeux.</b>

## 4 First Aid Measures

### 4.1 General Information

**Remove contaminated cloth.**

### 4.2 After inhalation

**No special requirements requested**

### 4.3 After skin contact

**Immediately wash with water and soap and rinse thoroughly.**

### 4.4 After eye contact

**Rinse opened eyes for several minutes under running water.  
Contact a doctor**

### 4.5 After swallowing

**Rinse out mouth and then drink plenty of water.  
Avoid vomiting and consult a doctor.**

## 5 Fire Fighting Measures

### 5.1 suitable extinguishing

**Since the product is not combustible or flammable, if involved in a fire, use extinguishing media appropriate to the source of the fire.**

### 5.2 For safety reasons unsuitable extinguishing agents

**None**

### 5.3 Special hazards caused by the material, its products of combustion or resulting gases

**None**

### 5.4 Special requirement for fire-fighting equipment

**Since the product is not combustible or flammable, if involved in a fire, use protecting equipment appropriate to the source of the fire.**

## 6 Accidental Release Measures

6.1 Person-related safety precautions:

**Change contaminated cloth.**

6.2 Precautionary measures for environment

**Do not allow to enter sewers / surface or ground water.**

6.3 Procedures for cleaning / waste disposal

**Absorb liquid components with liquid-binding material.  
Dispose of the material collected according to regulations.**

## 7 Safe Handling and Storage

7.1 Handling

**Watch for good ventilation.**

7.2 Fire protection

**None**

7.3 Warehousing conditions

**Store in cool, dry conditions in well sealed receptacles.**

7.4 Information about storage in one common storage facility

**Not required.**

7.5 Warehousing /storage class:

**n.e.**

**8 Exposition Limits and Personal Protection**

8.1 Technical Precautionary Measures

**None**

8.2 Respiratory Protection

**Look for good ventilation.**

8.3 Skin Protection

**Wear reasonable gloves, if prolonged contact with product or its solutions may be necessary.**

8.4 Eye Protection

**Avoid contact with eyes. Reasonable eye protection should always be used.**

8.5 Full Body Protection

**Remove contaminated clothing immediately and wash skin below with plenty of water.**

8.6 Hygienic advises

**Do not smoke, drink or eat as you work with the products. Wash your hands after finishing the job.**

8.7 Exposure Limits and other requirements

MAK-Werte:	Ingredients		Simple Green - D / Antibacterial
	ml /m3 ppm	mg / m3	mg / m3 (calc.)
<b>ethanol</b>	<b>1000</b>	<b>1900</b>	<b>190'000</b>
	<b>0</b>	<b>0</b>	
	<b>0</b>	<b>0</b>	
	<b>0</b>	<b>0</b>	

## 9 Physical and Chemical Description / Properties

9.1 Appearance			<b>Liquid</b>
9.2 Colour			<b>Colourless</b>
9.3 Odor			<b>alcohol</b>
9.4 Change of condition liquid / solid		DIN 51761	<b>- 9°C</b>
9.5 boiling point		DIN 51761	<b>100°C</b>
9.6 Density		DIN 51757	<b>1,027 gr/cm3</b>
9.7 Vapor pressure		DIN 51754	<b>n.e.</b>
9.8 Viscosity		DIN 51550	<b>&lt; 10 mPas</b>
9.9 Solubility	in water		<b>100 %</b>
	in acetone		<b>n.e.</b>
9.1 pH	100%ig		<b>9,3 - 9,5</b>
	10%ig		<b>9,0 - 9,5</b>
	1%ig		<b>8,5 - 9,0</b>
9.11 Coefficient: n-octanol / water			<b>n.e.</b>
9.12 Flash point		DIN 51755	<b>n.e.</b>
9.13 Autoignition temperature		DIN 51794	<b>n.e.</b>
9.14 Explosure limits	lower		<b>n.e.</b>
	upper		<b>n.e.</b>
9.15 Vapor density			<b>n.e.</b>
9.16 Volatile Organic Compounds			<b>&lt; 1,0 % - 0,150 gr/Liter</b>
9.17 VOC Partial pressure			<b>n.e.</b>
9.18 Brechungsindex			<b>1.3597 - 1,3604</b>

## 10 Stability and Reactivity

10.1 Thermal decomposition / conditions to be avoided:

**No decomposition if used according to specifications.**

10.2 Dangerous reactions

**No dangerous reactions known, even under fire conditions.**

10.3 Dangerous products of decomposition

**No dangerous decomposition products known. The product is stable even under fire conditions and will not react with water or oxidizers. Hazardous polymerisation will not occur.**

**11 Toxicity**

11.1 Acute Mortality Study  
 DL50 acute oral > 5000 mg/kg (calc.) Rat  
 DL50 acute dermal > 2000 mg/kg (calc.) Rat

11.2 Primary irritant effect  
**Irritant for eyes**

11.3 Sensibilisation  
**No sensitizing effects known.**

11.4 Additional toxicological information  
**SimpleGreen D contains no carcinogenic compounds as defined by the National Toxicology Program (NTP, the International Agency for Research on Carcinogenes (IRAC), or the Occupational Health and Safety Administration (OSHA).**

**12 Environmental Toxicity**

12.1 Mobility  
**Completely soluble in water.**

12.2 Persistence and Biodegradability  
**Modified Sturm Test: 99% Readily biodegradable - 28 days - EPA method  
 OECD-Confirmatory Test: 91% 24 - 70 days, OECD 303-A Zahn-Wellnes Test:  
 87-94% biologically well degradable, OECD 302-B Die-Away Test: 90%  
 Readily biodegradable, 28 days, OECD 301-A CO2-Evolution: 81%, readily  
 biodegradable, 28 days, EPA method**

12.3 Potential of Bioaccumulation  
**No relevant datas available**  
**0**

12.4 General notes  
**Water hazard class 2 (German Regulation) (Self-assessment):**  
**0**

**13 disposal considerations**

13.1 Product  
**Return original packagings to supplier. Smaller quantities can be disposed to the sewer-system by diluting with large quantities of water.**

13.3 Packaging materials  
**Wash containers with water - they may be recycled or applied to other uses.**

**14 Transport information**

14.1 Land transport ADR/RID (cross-border)

ADR/RID class	n.e.	<b>NO DANGEROUS GOODS</b>
Item	n.e.	
Danger code (Kemler)	n.e.	
UN-Number	n.e.	
Label	n.e.	
Description of goods		

14.2 Maritime transport IMDG

IMDG Class	n.e.	<b>NO DANGEROUS GOODS</b>
Page	n.e.	
UN-Number	n.e.	
Packaging group	n.e.	
EMS Number	n.e.	
MFAG	n.e.	
Marine pollutant		
Propper shipping name		

14.3 Air transport ICAO-TI and IATA-DGR

ICAO/IATA-Class	n.e.	<b>NO DANGEROUS GOODS</b>
UN/ID-Number	n.e.	
Packaging group	n.e.	
Propper shipping name		

## 15 Regulations

### 15.1 Markings according to EU guidelines

The product has been classified and marked in accordance with EU directives / ordinance on Hazardous Materials

Code letter and hazard designation of product n.e.

Risk phrases n.e. n.e.

Safety phrases n.e. n.e.

### 15.2 Nationale Vorschriften

AT	Austria	n.a.	ÖBIG-Vergiftungsinformationszentrale 24h Notruf-Nummer: +43 1 515 61
CH	Switzerland	BAG T Nr. 93353	Giftklasse frei
CZ	Czech Republic	96.48	Nicht kennzeichnungspflichtig
DE	Germany	UBA Nr. 3251 0006	Nicht kennzeichnungspflichtig
DK	Denmark	PR-nr. 1145034	Nicht kennzeichnungspflichtig
IL	Israel	KASHRUT CERTIFICATE	Certificat 'Kosher' - également pour Pesach
N	Norway	P - 50960	Nicht kennzeichnungspflichtig
SE	Sweden	359397-2	Nicht kennzeichnungspflichtig
USA	United States	H:1 F:0 R:0 S:0	HAZCHEM Code: Health = 1 (slight)

## 16 Other Information

16.1 This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16.2 Changes from the previous version are marked with a black bar on the right side

16.3 Contents are automatically copied from the german version into the other languages.  

Est.: Rolf Schmidhäusler 05.12.02
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