

Date of issue: 30.08.2007 Replaces Data Sheet of : –

*** alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



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

1.1 Identification of Substance or Preparation

Trade Name : Simple Green Extrem-Precision Cleaner
 Article No. : n.av.
 Preparation No. : n.av.
 Registration No. : n.av.

1.2 Use of the substance / preparation:

Cleaning agent

1.3 Company / Undertaking Identification

1.3.1 Address of the Company / Supplier:

Simple Green AG European Operations, Hürdweg 10, CH- 8854 Galgenen
 Telephone : +41-(0)55-460-1212, Fax : +41-(0)55-460-1210

1.3.2 Responsible :

Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info@chemie-vorschrift.de

1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning
 Telephone : +49 - 761 - 19 240

Emergency - Telephone of Company / Undertaking
 Telephone : +41-(0)55-460-1212 (08:30 - 16:30)

2 HAZARDS IDENTIFICATION

2.1 For Humans (additional information is given under item 11) :

May cause eye/skin irritation.
 Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

2.2 For the Environment :

Ecological injuries are not known or expected under normal use.

2.3 For Materials:

None known.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical Characterisation:

Aqueous surfactant solution.

3.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
5131-66-8	603-052-00-8	225-878-4	3-Butoxy-2-propanol	1 - 5%	Xi	R 36/38
68515-73-1	n.av.	n.av.	D-Glucopyranose, oligomeric, glycosidese, C 8-16	1 - 5%	Xi	R 41

Remarks: Classification and labelling of a product is indicated under item 15.

4 FIRST AID MEASURES

4.1 Inhalation:

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
 Consult a physician if necessary.

4.2 Skin Contact :

Wash off immediately with plenty of water.
 Consult a physician if necessary.

4.3 Eye Contact :

Call a physician immediately.
 Rinse thoroughly with plenty of water, also under the eyelids.

4.4 Ingestion :

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.
 In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

4.5 Note to Physician:

Treat symptomatically.
 Ingestion may cause nausea, vomiting, sore throat, stomach-ache.

4.6 Special Equipment:

None.

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5 FIRE FIGHTING MEASURES

- 5.1 **Suitable Extinguishing Media** : Use dry chemical, CO₂, water spray or "alcohol" foam.
- 5.2 **Extinguishing Media to Avoid** : high volume water jet.
- 5.3 **Fire and Explosion Hazards** :
In the event of fire carbon oxides may be formed.
- 5.4 **Special Protective Equipment** :
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.
- 5.5 **Additional Information** :
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal Precautions** :
See No. 8.3 Personal Protective Equipment. Contaminated surfaces will be extremely slippery.
- 6.2 **Environmental Precautions and Methods for Cleaning up** :
Do not allow material to contaminate ground water system. Do not contaminate surface water. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (e.g. sand, universal binder, sawdust). After cleaning, flush away traces with water.
- 6.3 **Further Information** : None.

7 HANDLING AND STORAGE (For national regulations refer to item 15.2)

- 7.1 **Handling**
 - 7.1.1 **Precautions for Safe Handling** :
Keep container tightly closed. Ensure adequate ventilation.
 - 7.1.2 **Precautions in Case of Fire and Explosion** :
No special precautions required.
- 7.2 **Storage**
 - 7.2.1 **Storage Instructions** :
Keep in an area equipped with alkali resistant flooring.
 - 7.2.2 **Store away from** :
Do not store together with oxidizing agents.
 - 7.2.3 **Further Information on Storage Conditions** :
Provide sufficient air exchange and/or exhaust in work rooms.
- 7.3 **Specific use(s)**: n.av.

8 Exposure Controls and Personal Protection

- 8.1 **Exposure limit values:**

Material	Limit Value :
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- 8.2 **Exposure controls**
 - 8.2.1 **Occupational exposure controls:**
Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.
 - 8.2.1a **Respiratory Protection** : In case of insufficient ventilation, wear suitable respiratory equipment.
 - 8.2.1b **Hand Protection** : Protective gloves
 - 8.2.1c **Eye Protection** : Tightly fitting safety goggles
 - 8.2.1d **Skin Protection** : No.
 - 8.2.1e **Further Information** : Refer to special restrictions in wearing protective equipment
 - 8.2.2 **Environmental exposure controls** n.av.

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9.2.1 pH-value, undiluted : 10,5 - 11, pH-value, 1% aqueous solution : 8,5 - 9

9.2.2 Boiling point / Boiling - range (°C) : > 100, Melting point / Melting range (°C) : ~ 0

9.2.3 Flash point (°C, c.c.) : n.ap.

9.2.4 Flammability (EEC A10/A13) : No.

9.2.5 Ignition temperature (°C) : n.ap.

9.2.6 Autoflammability (EEC A16) : No.

9.2.7 Oxidising properties : No.

9.2.8 Explosion hazard : No.

9.2.9 Explosion limits (Vol.%) lower : n.av., upper : n.av.

9.2.10 Vapour pressure : ~ 2,2 kPa (20°C)

9.2.11 Density (g/ml) : 1,022

9.2.12 Solubility (in Water) : miscible

9.2.13 Partition coefficient, n-Octanol/Water : n.av.

9.2.14 Viscosity : < 10mPa*s

9.2.15 Solvent separation test : n.av.

9.2.16 Solvent content (m %) : n.ap.

9.3 Other information

9.3.1 Thermal decomposition (°C) : n.av.

9.3.2 Vapour density (Air = 1) : n.av.

9.3.3 Evaporation rate : n.av.

10 STABILITY AND REACTIVITY**10.1 Conditions to Avoid :**

No dangerous reaction known under conditions of normal use.

10.2 Materials to Avoid :

Strong oxidizing agents

10.3 Hazardous Decomposition Products :

No decomposition if used as directed.

10.4 Further Information :

None.

11 TOXICOLOGICAL INFORMATION**11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**Inhalation, LC₅₀ rat, (mg/l/4h) : n.av.Ingestion, LD₅₀ rat, (mg/kg) : n.av.Skin - contact, LD₅₀ rat, (mg/kg) : n.av.

Irritation (to skin / eye) : slight

Sensitisation : No.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : No.

Mutagenicity : No.

Teratogenicity : No.

Narcotic Effects : No.

11.2 Practical Experience**11.2.1 Observations relevant for classification :**

None.

11.2.2 Further Observations :

None.

11.3 General Remarks :

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

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12 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity :**
Solutions with high pH-value must be neutralized before discharge.
- 12.2 **Mobility :**
n.av.
- 12.3 **Persistence and degradability:**
Readily biodegradable, according to appropriate OECD test.
Biological degradability > 95% after 14 days; > 97% after 28 days (OECD 302-B).
- 12.4 **Bioaccumulative potential:**
n.av.
- 12.5 **Results of PBT assessment**
n.av.
- 12.6 **Other adverse effects**
 - 12.6.1 COD-Value, mg/g : n.av.
 - 12.6.2 BOD₅-Value, mg/g : n.av.
 - 12.6.3 AOX-Remarks : n.av.
 - 12.6.4 Significant Components : n.av.
 - 12.6.5 Other adverse effects : None.

13 DISPOSAL CONSIDERATIONS (For national Regulations refer to item 15.)

- 13.1 **Residues**
 - 13.1.1 Recommendation : D 10 / R2 Waste - Code - No. : 20 01 29
In addition comply with the regional authorities.
 - 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
 - 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.
 - 13.2.2 Safe Handling : As described under Residues.

14 TRANSPORT INFORMATION

- 14.1 **Transportation by Road or Railway according to ADR and RID**

Remarks : Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.
Name and Description:

Class :	UN - No :	Risklabel:
Classification Code:	Packing Group :	Hazard-No.:
Transport-category:	Limited Quantity:	
- 14.2 **Classification for Transportation by Inland-Navigation according to ADNO**
Remarks : Classification has not been done.
 Class : Division : Category :
- 14.2.1 **Description of Goods :**
- 14.2.2 **Remarks :**
- 14.3 **Classification for Transportation by Vessels according to IMDG**
Remarks : Not a dangerous substance as defined in the above regulations.

Class :	UN-No. :	Packing Group :
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- 14.3.1 **EmS-No. :**
- 14.3.2 **Marine Pollutant :**
- 14.3.3 **Instruction for Declaration and Labelling :**
Proper Shipping Name :
Risk Label :
- 14.3.4 **Remarks :**

