

Date of issue: 04.07.2006 Replaces Data Sheet of : –

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



1 Identification of Substance / Preparation and Company

1.1 Identification of Substance or Preparation

Trade Name : Crystal SimpleGreen

Article No. : 72900

Preparation No. : n.av.

1.2 Use of the substance / preparation:

Cleaning agent

1.3 Company / Supplier 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

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

2 Composition / Information on Ingredients

2.1 Chemical Characterisation:

Aqueous solution of organic and inorganic agents.

2.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
127036-24-2	n. av.	n. av.	Poly(oxy-1,2-ethandiyl), a-undecyl-?-hydroxy-, branched and linear	1 - 5%	Xn	R 22-41
34590-94-8	n. ap.	252-104-2	(2-Methoxymethylethoxy)propanol	1 - 5%	n. ap.	n. ap.

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

3 Hazards Identification

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

May cause eye/skin irritation.

3.2 For the Environment :

Ecological injuries are not known or expected under normal use.

3.3 For Materials:

None known.

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 :

Rinse thoroughly with plenty of water, also under the eyelids.

Obtain medical attention.

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.

4.6 Special Equipment:

None.

Tradename : Crystal SimpleGreen

Company / Distributor : Simple Green AG European Operations, Hürdweg 10, CH- 8854 Galgenen

Telephone : +41-(0)55-460-1212, **Date of issue:** 04.07.2006 **Replaces Data Sheet of : —**

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, oxides of phosphorus may be formed.
- 5.4 **Additional Information :**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 5.5 **Special Protective Equipment :**
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.

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. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (e.g. sand).
- 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.

8 Exposure Controls and Personal Protection

- 8.1 **Information on System Design :**
Provide for appropriate exhaust ventilation at machinery.
Provide personal protective equipment.
- 8.2 **Exposure Limits:**
 - 8.2.1 **Material** **Limit Value :**
(2-Methoxymethylethoxy)propanol TLV 50 ppm
- 8.3 **Personal Protective Equipment**
 - 8.3.1 **General Protection and Hygiene :**
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.
 - 8.3.2 **Respiratory Protection :** In case of insufficient ventilation, wear suitable respiratory equipment.
 - 8.3.3 **Hand Protection :** Protective gloves
 - 8.3.4 **Eye Protection :** Safety glasses
 - 8.3.5 **Skin Protection :** No.
 - 8.3.6 **Further Information :** Refer to special restrictions in wearing protective equipment

Tradename : Crystal SimpleGreen

Company / Distributor : Simple Green AG European Operations, Hürdweg 10, CH- 8854 Galgenen

Telephone : +41-(0)55-460-1212, **Date of issue:** 04.07.2006 **Replaces Data Sheet of : —**

9 Physical and Chemical Properties

9.1	Appearance		
9.1.1	Form : liquid	9.1.2 Colour : colourless, clear	9.1.3 Odour : none
9.2	Safety Relevant Data		
9.2.1	pH-value, undiluted :	9,3 - 9,5,	pH-value, 1% aqueous solution : 7,5 - 8,5
9.2.2	Boiling point / Boiling - range (°C) :	100,	Melting point / Melting range (°C) : -9
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 :	24 mbar / 20°C	
9.2.11	Density (g/ml) :	1,025	
9.2.12	Solubility (in Water) :	miscible	
9.2.13	Partition coefficient, n-Octano/Water :	n. av.	
9.2.14	Viscosity :	< 20mPa*s	
9.2.15	Solvent separation test :	n. av.	
9.2.16	Solvent content (m %) :	n. ap.	
9.3	Further Data		
9.3.1	Thermal decomposition (°C) :	n. av.	
9.3.2	Vapour density (Air = 1) :	n. av.	
9.3.3	Evaporation rate :	1,3	

10 Stability and Reactivity

10.1	Conditions to Avoid :	None under 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, LC ₅₀ rat, (mg/l/4h) :	n. av.
	Ingestion, LD ₅₀ rat, (mg/kg) :	13.800
	Skin - contact, LD ₅₀ rat, (mg/kg) :	> 5000
	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.

Tradename : Crystal SimpleGreen

Company / Distributor : Simple Green AG European Operations, Hürdweg 10, CH- 8854 Galgenen

Telephone : +41-(0)55-460-1212, **Date of issue:** 04.07.2006 **Replaces Data Sheet of : –**

12 Ecological Information

- 12.1 **Ecotoxic Effects, Aquatic Toxicity :**
Information given is based on data obtained from similar substances.
Juvenile whitebait (G.maculatus): 210 ppm, Grass shrimp (P.puglio): 220 ppm
- 12.2 **Behaviour in Sewage Works :**
Mobility and Accumulation Potential : n.av.
- 12.3 **Elimination (Persistence and Degradability) :**
Information given is based on data obtained from similar substances.
Readily biodegradable OECD 302-B: 97 % after 14 days / 98,7% after 28 days
OECD 301-D: 87% after 15 days / 100% after 28ays
- 12.4 **Other Ecological Information**
 - 12.4.1 COD-Value, mg/g : n.av.
 - 12.4.2 BOD₅-Value, mg/g : n.av.
 - 12.4.3 AOX-Remarks : n.av.
 - 12.4.4 Significant Components : n.av.
 - 12.4.5 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 in the meaning of road and railway transport regulations.
Class : Classification Code : Packing Group :
Hazard-No. : UN-No. :
- 14.1.1 **Instruction Concerning Shipper's Declaration and Packaging :**

Volume or Mass	Name and Description	Risklabel	Packing - Code or instruction
- 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 :
- 14.3.1 **EmS-No. :**
- 14.3.2 **Marine Pollutant :**
- 14.3.3 **Instruction for Declaration and Labelling :**
(Packing sizes with possible exemptions not considered)
Proper Shipping Name :
Risk Label :
- 14.3.4 **Remarks :**

