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RSG 3001ECO

SafeGreen® ALL PURPOSE CLEANER

1 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Identification:

Commercial name/s: **SafeGreen® ALL PURPOSE CLEANER**
Articles no.: 3001.0010 3001.0210 3001.1000
Formulation no.: RSG 3001
Registration no.: CPID 337731-70

DE/020/141



1.2 Relevant identified uses of the mixture^① and uses advised against^②:

Industrial and professional.
① Cleaner for all kind of washable surfaces.
② None.

1.3 Details of the supplier of the safety data sheet:

(DE) Address of the manufacturer:

RSG EUROPE GmbH
Werftstrasse 4
DE-06862 Dessau-Rosslau

Phone: +49 34901 51212
Fax: +49 34901 51211
E-Mail: info@safegreen.de



(CH) Address of the manufacturer:

RSG EUROPE GmbH
Alpenblickstrasse 8
CH-8853 Lachen

Phone: +41 55 460 1212
E-Mail: info@rsg-europe.com

Responsible for this Safety Data Sheet:

Rolf Schmidhäusler

Phone: +41 55 460 1212
E-Mail: rolf@rsg-europe.com

1.4 Emergency phone numbers:

(CH) Toxicological Centre, 8028 Zürich **145** +41 (0)44 251 5151 Deutsch, Französisch, Englisch, Italienisch

Emergency respond of manufacturer:

Monday – Friday: 08:00 – 17:00

Phone: (DE) +49 34901 51212
(CH) +41 55 460 1212

Further Emergency call centers:

(AT) Vergiftungsinformationszentrale, 1090 Wien
(BE) Centre Antipoisons, 1120 Brüssel
(CH) Toxikologisches Zentrum, 8028 Zürich **145**
(CZ) Poison Information Centre, 1280 Prag
(DE) Beratungsstelle für Vergiftungserscheinungen, Berlin
(DK) Giftinformationen, 2400 Copenhagen
(ES) Servicio Nacional de Información Toxicológica, Madrid
(FR) Centre Anti-Poisons, 67091 Strasbourg
(FI) Poison Information Centre, 00290 Helsinki
(GB) National Poison Inform. Centre, London SE14 5ER
(GR) Poison Information Centre, 11527 Athen
(HR) Poison Control Centre, 10000 Zagreb
(IT) Centro Antiveleni, 00161 Roma
(LT) Poison Centre, 2043 Vilnius
(NL) Nationaal Vergiftingen Informatie Centrum, Bilthoven
(NO) Giftinformasjonssentralen, 0034 Oslo
(PL) National Poison Information Centre, 90950 Łódź
(PT) Centro de Informacao Antivenenos, 1749075 Lisboa
(RU) Toxicology Information & Advisory Centre, Moskau
(SE) Giftinformationscentralen, 17176 Stockholm
(SK) Poison Information Centre, 83101 Bratislava
(SL) Poison Control Center, 1000 Ljubljana
(TR) National Poison Control Center, 06100 Ankara
(HU) Departement of Clinical Toxicology, Budapest VII

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+385 (1) 222 302
+39 (6) 490 663
+370 (2) 269 583
+31 (30) 274 88 88
+47 (22) 591 300
+48 (42) 657 99 0
+351 (1) 795 01 43
+7 (95) 928 1647
+46 (8) 736 0384
+00421 (17) 547 741 66
+386 (61) 302 457
+90 312 433 7001
+36 (1) 215 215

Languages:

Deutsch, Englisch
Französisch, Flämisch, Englisch
Deutsch, Französisch, Englisch, Italienisch
Tschechisch, Deutsch, Englisch
Deutsch, Englisch
Dänisch, Englisch
Spanisch, englisch
Französisch, Deutsch, Englisch
Finnisch, Schwedisch, Englisch
Englisch
Griechisch, Englisch
Kroatisch
Italienisch, Französisch, Englisch
Litauisch, Russisch, Deutsch, Englisch
Niederländisch, Französisch, Deutsch, Englisch
Norwegisch, Englisch
Polnisch, Deutsch, Englisch
Portugiesisch, Französisch, Englisch
Russisch (Englisch)
Schwedisch, Englisch
Slowakisch, Deutsch, Englisch
Englisch, (Deutsch, Französisch)
Türkisch, (Englisch)
Ungarisch, Deutsch, Englisch

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2 HAZARDS IDENTIFICATION

Classification of the mixture:
Classification and labelling according to directive 1272/2008/EC:
Product does not request any classification.

2.2 Label elements:

Hazard pictogram(s):

Classification according to 1272/2008/EC:
N.a.

Applicable exemptions:
No.

Signal word(s) N.a.

Component(s): N.a.

H - Phrases:
--- N.a.

P - Phrases:
P102 Keep out of reach of children.
P301-330-331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P305-351-338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.

Additional markings:
None.

2.3 Other hazards:

D.n.d.



3 INFORMATION ON THE COMPOSITION / INGREDIENTS

3.1 Chemical Characterisation:

Preparation / Mixture.

3.2 Dangerous Ingredients:

| CAS-Nr. EINECS-Nr. INDEX-Nr. REACH-Nr. | Substance name EC-Name IUPAC declaration | m%-range | Symbol | H-phrases | § |
|---|--|----------|--------|-----------|---|
| 34590-94-8 | (2-METHOXY-METHYLETHOXY)PROPANOL | 1 - 5 | --- | --- | § |
| 252-104-2 | Dipropylenglykolmethylether | | | | |
| --- | DPGME | | | | |
| 01-2119450011-60 | | | | | |

3.3 Allergenic substances regarding EC 2001/15:

| CAS-Nr. EINECS-Nr. INDEX-Nr. REACH-Nr. | Substance name EC-Name IUPAC declaration | m%-range | Symbol | H-phrases |
|---|--|----------|--------|-----------|
| --- | None | | | |

§ = substances with limited values / exposure control - see section 8.
Full texts of H-phrases of substances are indicated under section 16.

4 FIRST AID MEASURES

4.1 Description of first aid measures:

4.1.1 Inhalation:

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.

4.1.2 Skin contact:

After contact with skin, wash immediately with plenty of soap and water. In the case of skin irritation or allergic reaction see a physician.

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- 4.1.3 **Eye Contact:**
In case of eye contact, remove contact lenses and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
- 4.1.4 **Ingestion:**
Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a specialist.
- 4.2 **Most important symptoms and effects, both acute and delayed:**
D.n.d.
- 4.6 **Indication of any immediate medical attention and special treatment needed.**
Treat symptomatically.

5 FIRE FIGHTING MEASURES**5.1 Extinguishing media**

5.1.1 **Suitable extinguishing media:**
Use dry chemical, CO₂, water spray or alcohol-foam.

5.1.2 **Extinguishing media to avoid:**
Water-jet.

5.2 Special hazards arising from the mixture:

The product itself is not combustible. The following decomposition products may be released of combustion and thermal decomposition of this product: carbon dioxide and monoxide.

5.3 Advice to fire fighters:

5.3.1 **Special Protective Equipment:**
Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 **Additional information:**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures:**
See chapter/section 8.2.2

6.2 **Environmental precautions:**
Do not allow material to contaminate ground water system. Do not contaminate surface water. Prevent further leakage or spillage is safe to do so. Local authorities should be advised if significant spillages cannot be contained.

6.3 **Methods and material for containment and cleaning up:**
Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4 **Reference to other sections:**
See sections 8 and 13.

7 HANDLING AND STORAGE**7.1 Precautions for safe handling:**

7.1.1 **Precaution for safe handling:**
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 and at the end of workday.

7.1.2 **Precaution in case of fire or explosion:**
Do not smoke. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 **Storage instructions:**
Keep at temperatures between 5 and 30°C: Keep container tightly closed.

7.2.2 **Store away from:**
Do not store together with oxidizing agents.

7.2.3 **Further information on Storage Conditions:**
Do not store at high temperatures and under sunlight.

7.3 **Specific end use(s):**
N.a.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Material / substance: | Limit Values: |
|---------------------------------------|---|
| (2-Methoxy-methylethoxy)-propanol | AGW 310 mg/m ³ , 50ml/m ³ |
| Dipropylenglykolmonomethylether (DPM) | |

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:
Keep adequate ventilation in working area.

8.3 Individual protection measures:

- 8.3.1 Respiratory Protection:** Not necessary under normal use of the product.
- 8.3.2 Hand Protection:** Not necessary under normal use of the product.
- 8.3.3 Eye Protection:** Not necessary under normal use of the product.
- 8.3.4 Skin protection:** No need for special protective clothing under normal conditions of use of the product.
- 8.3.5 Other information:** N.a.

8.4 Environmental exposure controls:
Do not contaminate / spill into water ways and sewer-systems.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

| | | | |
|--|--|-----------------------|-------------------------------------|
| 9.1.1 Form: | Liquid | | |
| 9.1.2 Colour: | Transparent | Yellowish | |
| 9.1.3 Odour: | Product-specific (does not contain fragrances) | | |
| 9.1.4 Molecular weight: | N.a. | | |
| 9.1.5 pH value: | 100 %: | 9,0 - 10,0 | 10 %: 8,0 - 9,0 1 %: 7,5 - 8,5 |
| 9.1.6 Boiling point: | ~100 °C | Melting point: | ~ -0°C |
| 9.1.7 Flash point: | N.a. °C | | |
| 9.1.8 Flammability (CEE A10/A13): | No. | | |
| 9.1.9 Ignition temperature: | N.a. °C | | |
| 9.1.10 Autoflammability (CEE A16): | No | | |
| 9.1.11 Oxidising properties: | No | | |
| 9.1.12 Explosion hazard: | No | | |
| 9.1.13 Explosion limits (Vol-%) | lower: | N.a. | upper: N.a. |
| 9.1.14 Vapour pressure: | ~23 hPa | | |
| 9.1.15 Density at 20°C: | 1,007 g/l | | |
| 9.1.16 Solubility in water: | 100 % | | |
| 9.1.17 Partition coefficient, n-octanol/water: | N.a. Log P(o/w) | | |
| 9.1.18 Dynamic viscosity: | <20 mPa*s | | |
| 9.1.19 Solvent content (m %): | N.a. % | | |
| 9.1.20a V.O.C. content - EC : | 5,0 % | | |
| 9.1.20b V.O.C. content - CH : | 5,0 % | | |
| 9.2 Other information: | | | |
| 9.2.1 Thermal decomposition | >300 °C | | |
| 9.2.2 Vapour density (Air = 1): | n.a. | | |
| 9.2.3 Surface tension | <30 mN/m ² | | SITA Tensiometer |

10 STABILITY AND REACTIVITY

10.1 Reactivity:
None.

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- 10.2 Chemical stability:**
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:**
No dangerous reaction known under normal use.
- 10.4 Conditions to avoid:**
Keep storing temperature under +50 °C. Avoid exposure to direct sunlight.
- 10.5 Incompatible materials:**
Strong oxidizing agents.
- 10.6 Hazardous decomposition products:**
None known.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

11.1.1 The toxicological data refer to the substances in this preparation:

| | | |
|---------------------------------|---|--------------|
| Acute toxicity by inhalation: | LC ₅₀ Rat, (mg/l 4h): | N.a. |
| Acute toxicity by ingestion: | LD ₅₀ Rat, (mg/kg): OECD 401 | >2000 mg/kg |
| Acute toxicity by skin contact: | LD ₅₀ Rabbit, (mg/kg): | >2'000 mg/kg |
| Corrosion / irritation on skin: | Rabbit, DOT, 24h | No. |
| Corrosion / irritation on eye: | Rabbit, DOT | No. |
| Sensitization: | Guinea pig, OECD 406 | No. |

11.1.2 Subacute / Chronic Toxicity:

| | |
|-------------------|-------|
| Carcinogenicity: | None. |
| Mutagenicity: | None. |
| Teratogenicity: | None. |
| Narcotic effects: | None. |

11.2 Practical Experiences:

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.

12 ECOLOGICAL INFORMATION

The described ecological effects of the preparation are based on the substances in this preparation:

12.1 Eco-Toxicity:

| | | | | |
|-------------------------|-----------|------|------|----------|
| Fish toxicity: | US-EPA, | 96 h | CL50 | >10 mg/l |
| Toxicity to water flea: | OECD 202, | 48 h | CE50 | >10 mg/l |
| Toxicity to algae's: | OECD 201 | 72 h | CE50 | >10 mg/l |

12.2 Persistence and degradability:

| | | |
|---------------------|--------------------|--------|
| Stability in water: | EPA-FIFRA | N.d.a. |
| Biodegradability: | OECD 303 A | N.d.a. |
| | OECD 302 B: 28 d | 97%. |
| | OECD 301 D/E: 28 d | >70% |

The individual substances in this mixture (see section 3) are classified as being readily biodegradable, according to OECD 302B testing: (>70% / 28d).

12.3 Mobility:

N.a.

12.4 Bioaccumulation potential:

None.

12.5 Results of PBT and vPvB-assessment :

The preparation does not contain substances considered/classified as PBT od VPvB.

12.6 Other adverse effects:

12.6.1 COD-Value (mg/g) n.a.

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- 12.6.2 BOD5-Value (mg/g) n.a.
- 12.6.3 AOX-Remarks: The preparation does not contain any organic halogens.
- 12.6.4 Significant components: None.
- 12.7 Other adverse effects:**
No effect on the ozone-layer. No effect on the global warming-up.

13 DISPOSAL CONSIDERATIONS

Do not dispose into areas where an accumulation of the preparation could be a danger/hazard.

13.1 Waste treatment methods.

13.1.1 **Recommendation :** D 10 / R 2 **Waste code nr.:** 20 01 29
The waste code should be assigned in discussion between the user, the producer and the waste disposal company. In addition comply with the regional authorities.

13.1.2 **Manipulation :** See sections 7 and 15.
Avoid contact with skin, eyes and clothing.

13.2 Containment Packaging:

13.2.1 **Recommendation :** Wash with suitable cleaner. Otherwise as described under residues.
Manipulation : As described under residues.

14 TRANSPORT INFORMATION

| | ADR No. | IMDG | IATA |
|---|---|---|--|
| 14.1 UN- number: | N.a. | | |
| 14.2 UN proper shipping name: | N.a. | | |
| 14.3 Transport hazard class: | N.a. | | |
| 14.4 Packaging group: | N.a. | | |
| 14.5 Environmental hazards: | No. | No. | No. |
| 14.6 Special precaution for user: | Transport category: --- Classification code: --- Hazard no.: --- LQ: --- Transport in common: --- Tunnel restrictions: | Nr. EmS - fire: --- Nr. EmS - spillage : --- | Packaging instructions: Passenger aircraft: Cargo aircraft: |
| 14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC-Code: | Na. | N.a. | n.a. |
| 14.8 Other shipping information: | None. | | |

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislations specific for the mixture:

Ensure that all local, regional regulations are respected.

15.1.1 **National Regulation Switzerland (CH)**

- Öffentliches Produktregister CPID 337731-70
- Chemikalien Gesetz
- Verordnung über den Schutz vor gefährlichen Stoffen und Zubereitungen. SR 813.1
- Biozidprodukteverordnung SR 813.11
- Verordnung über die Lenkungsabgabe auf flüchtigen organischen Verbindungen SR 813.12 5,0% V.O.C.
- Gewässerschutzgesetz / Gewässerschutzverordnung SR 814.018

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- Jugendarbeitsschutzverordnung
- Chemikalien-Risikoreduktions-Verordnung,

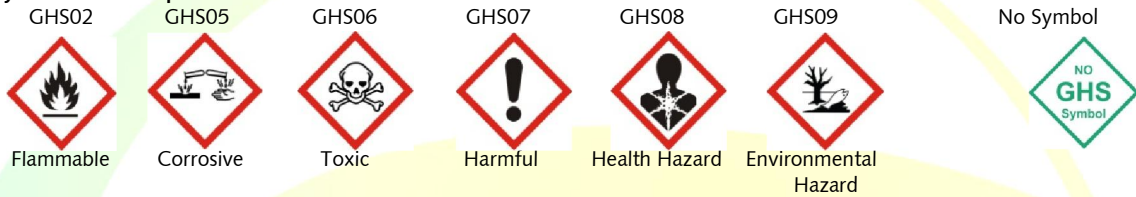
SR 814.20/201 - Klasse 2
SR 822.115
SR 814.81

15.2 Other National Regulations:
Water pollutant class (Germany): WGK 1.

15.3 Chemical safety assessment:
This preparation does not require a special chemical safety assessment.

16 OTHER INFORMATIONS

Symbols from chapter 3:



16.1 Text of H-phrases in section 3.2 :
--- N.a.

16.2 Information about this Safety Data Sheet:

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Changes in this MSDS are marked with a red bar on the right side of the corresponding section.