



# MATERIAL SAFETY DATA SHEET

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Revised edition no : 1

Date : 15/5/2006

Supersedes : 0/0/0

## ELEKTRONIK-REINIGER ECS-169

**2001/58/EG****Producer**

Cosmina AG  
Motorenstrasse 2a  
CH-8323 Wetzikon Switzerland  
Herr Dr. R. Schneider  
info@cosmina.ch  
In case of emergency : +41 44 931 02 31

**Distributor**

ECS AG  
Roosstrasse 53  
CH-8832 Wollerau Switzerland  
Herr B. Wyss  
Tel.: +41 44 787 53 53  
Fax: +41 44 787 53 63  
info@ecsag.com  
In case of emergency : Tox Zentrum 0041 145

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

**Trade name** : ELEKTRONIK-REINIGER ECS-169.  
**Application** : Detergent.  
**Responsible for placing on the market** : See address above.

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Preparation** : Preparation.  
**Composition** : Regulation (CE) No. 648/2004 of 31 March 2004 on detergents.  
**Substances presenting a health or environmental hazard (Directive 67/548/EEC) :**

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Propan-2-ol	: Between 50 and 100 %	67-63-0	200-661-7	603-117-00-0	F; R11 R67 Xi; R36

### 3 HAZARDS IDENTIFICATION



Highly flammable.  
Irritating to eyes.  
Vapours may cause drowsiness and dizziness.

**Symptoms relating to use**

- **Inhalation** : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
- **Skin contact** : Repeated or prolonged skin contact may cause irritation.  
- **Eye contact** : Slight eye irritant upon direct contact.

### 4 FIRST AID MEASURES

**General information** : Seek medical attention if ill effect or irritation develops.  
- **Inhalation** : Remove victim to fresh air.  
Obtain medical attention if breathing difficulty persists.  
- **Skin contact** : Wash skin thoroughly with mild soap and water. Seek medical attention if irritation develops.  
- **Eye contact** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
- **Ingestion** : Obtain medical attention.

**ECS AG**

Roosstrasse 53 CH-8832 Wollerau Switzerland  
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### 5 FIRE-FIGHTING MEASURES

**Surrounding fires** : All known extinguishants can be used.

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Ensure adequate air ventilation.

**Environmental precautions** : Prevent entry to sewers and public waters.

**Clean up methods** : Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc.

### 7 HANDLING AND STORAGE

**Handling** : Ensure prompt removal from eyes, skin and clothing.

**Storage** : Keep container tightly closed.  
Store in dry, cool area.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**General hygiene** : When using, do not eat, drink or smoke.

**Personal protection** : Protect eyes, face and skin from liquid splashes.

- **Respiratory protection** : No special protection required where adequate ventilation is maintained.

- **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.

- **Eye protection** : Eye protection should only be necessary where liquid could be splashed or sprayed.

**Occupational Exposure Limits** : Propan-2-ol : OEL (UK)-LTEL [ppm] : 400  
Propan-2-ol : MAC [mg/m<sup>3</sup>] : 650  
Propan-2-ol : MAC [ppm] : 250

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical state at 20 °C** : Liquid.

**Colour** : Colourless.

**Odo(u)r** : Characteristic.

**Density** : 0.808 g / cm<sup>3</sup>

**Solubility in water** : Miscible.

**Flash point [°C]** : 17

### 10 STABILITY AND REACTIVITY

**Stability and reactivity** : Stable under normal conditions.

**Hazardous decomposition products** : None under normal conditions.

**Materials to avoid** : No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.

### 11 TOXICOLOGICAL INFORMATION

With the product as such no toxicological tests have been done. According to the criteria of 1999/45/EC this product is not toxic. Components that are toxic are mentioned in section 2.

#### ECS AG

Roosstrasse 53 CH-8832 Wollerau Switzerland

Herr B. Wyss

Tel.: +41 44 787 53 53

Fax: +41 44 787 53 62



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### 12 ECOLOGICAL INFORMATION

With the product as such no ecotoxicological tests have been done. According to the criteria of 1999/45/EC this product is not dangerous for the environment. Components that are dangerous to the environment are mentioned in section 2.

### 13 DISPOSAL CONSIDERATIONS

**General** : Comply with local regulations for disposal.  
**Disposal method** : Empty containers should be thoroughly rinsed with large quantities of clean water.

### 14 TRANSPORT INFORMATION

**UN No.** : 1219  
**H.I. nr** : 33  
**ADR/RID** : 3  
Group : II  
**- Proper shipping name** : UN1219 ISOPROPANOL (ISOPROPYLALKOHOL) (2-Propanol ), 3, II  
**- ADR Class** : 3  
**- ADR Packing group** : II  
**- Labelling ADR** : Label 3 : Flammable liquid.



**- Limited Quantity** : LQ 4  
Combination packagings - Inner packaging : Maximum : 3 l  
Combination packagings - Package : Maximum : 30 Kg.  
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Inner packaging : Maximum contents : 1 l  
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Package Maximum : 20 kg

### 15 REGULATORY INFORMATION

**- Symbol(s)**



: Xi : Irritant.  
F : Highly flammable

**Contains**

: Propan-2-ol

**- R Phrase(s)**

: R11 - Highly flammable.  
R36 - Irritating to eyes.  
R67 - Vapours may cause drowsiness and dizziness.

**- S Phrase(s)**

: S2 - Keep out of the reach of children.  
S9 - Keep container in a well-ventilated place.  
S16 - Keep away from sources of ignition - No smoking.  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 - If swallowed seek medical advice immediately and show this container or label.


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**16 OTHER INFORMATION**

**List of relevant R phrase (heading 2)** : R11 - Highly flammable.  
R36 - Irritating to eyes.  
R67 - Vapours may cause drowsiness and dizziness.

05.00561.28.1 (FR 09.11.2005)

Safety data sheet available for professional user on request.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

**Revision** : Major changes in the text compared to former version are indicated with \*.

**Prepared by** : ME

Content and format of this data sheet on product security (MSDS) are in accordance with the Directive 2001/58/EG.

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