



MATERIAL SAFETY DATA SHEET

Page : 1 of 3

Revised edition no : 2

Date : 7 / 4 / 2008

Supersedes : 2 / 2 / 2007

381**2001/58/EG****Producer**

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 +41 44 251 51 51

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 +41 44 251 51 51

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

Trade name : 381.
Application : Detergent.
Responsible for placing on the market : See address above.

2 HAZARDS IDENTIFICATION**Hazards identification**

: Irritating to eyes.

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.

3 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
ISOPROPYL ALCOHOL	: Between 5 and 15 %	67-63-0	200-661-7	603-117-00-0	F; R11 R67 Xi; R36
1,1,1,2,3,4,4,5,5,5-Decafluoropentan	: Between 15 and 30 %	138495-42-8	----	----	R18 Xi; R36/37/38

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. Do not induce vomiting.

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



MATERIAL SAFETY DATA SHEET

Page : 2 of 3

Revised edition no : 2

Date : 7 / 4 / 2008

Supersedes : 2 / 2 / 2007

381**2001/58/EG**

5 FIRE-FIGHTING MEASURES

Surrounding fires : All extinguishing media can be used.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate air ventilation.

Environmental precautions : Prevent entry to sewers and public waters.

7 HANDLING AND STORAGE

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

Storage : Store in tightly closed packings.
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/m³] : 650

Propan-2-ol : MAC [ppm] : 250

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Solid.

Colour : Colourless.

Odo(u)r : Characteristic.

pH value : Not applicable.

Flash point [°C] : >61

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 3.

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

	MATERIAL SAFETY DATA SHEET	Page : 3 of 3
		Revised edition no : 2
		Date : 7 / 4 / 2008
		Supersedes : 2 / 2 / 2007
381		2001/58/EG

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 3.

13 DISPOSAL CONSIDERATIONS

General : Comply with local regulations for disposal.

14 TRANSPORT INFORMATION

* **General information** : Not classified according to ADR/RID.
Not regulated.

15 REGULATORY INFORMATION

- **Symbol(s)**



- **R Phrase(s)** : Xi : Irritant.
R36 : Irritating to eyes.

- **S Phrase(s)** : S2 : Keep out of the reach of children.
S46 : If swallowed seek medical advice immediately and show this container or label.

16 OTHER INFORMATION

List of relevant R phrase (heading 3) : R11 : Highly flammable.
R18 : In use, may form flammable/explosive vapour-air mixture.
R36 : Irritating to eyes.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R67 : Vapours may cause drowsiness and dizziness.

DL (16.01.07)
Safety data sheet available for professional user on request.

DISCLAIMER OF LIABILITY : 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.

DISCLAIMER OF LIABILITY The information within this MSDS refers to reliable sources. The correctness of the information, in printed or suggested form, is not ensured. The conditions or methods of the handling, storage, use or disposal of the product lie outside of our control, and possibly also outside of our information area. For this and other reasons we take no responsibility and reject expressly liability for loss, damage or expenses, which could develop from the application, storage, use or disposal of the product or with it are connected in any way. This MSDS was prepared for this product and may be only used thereby. If the product should be used as a component of another product, then these MSDS information does probably not apply.

End of document

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