

Safety Data Sheet

according to regulation (CE) nb. 1272/2008

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Version 6

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R.G.1

1. Identification of substance/mixture and of the company / undertaking

1.1 Product name	RG1
Use of the substance/ the preparation	Solution to clean
Identification of the Company/undertaking	Savonnerie du Léman Christian Cottet Chemin de Prévenoge 2 1024 Ecublens Tel : 021 691 39 34 E-mail: ccsavonnier@gmail.com
Emergency telephone number	145 (Tox-Center) Switzerland

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (CE) No 1272/2008

Skin irritation (Category 2), H315,

Armful if swallowed (Category 4) H302

May cause respiratory irritation (Categorie3) H335

May cause long lasting harmful effects to aquatic life (Category 4) H413

For the full text of H-Statements mentioned in this section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008



WARNING DANGEROUS (SGH 07)

Can cause skin irritation, allergies, eczema or drowsiness. Possible intoxication from the first contact with the product.

DANGEROUS FOR HEALTH (SGH 08)

Can damage certain organs. May seriously damage to health, or immediate or long term, lead to cancer, damage to the genetic or affect fertility or development. Can be fatal if penetration into the airways.

DANGEROUS TO THE AQUATIC ENVIRONMENT (SGH 09)

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Mention of danger

H302 Harmful if swallowed.

H315 Causes skin irritation.

H335 May cause respiratory irritation

H413 May be harmful in the long term to aquatic organisms.

Advice of caution

P301+302 IN CASE OF INGESTION :
Call a POISON CENTER No 145/a doctor.

P102 Keep out of reach of children.

P260 Do not breathe vapors.

P280 Wear protective gloves/protective clothing/equipment for eye protection/ face protection.

P273 Avoid release to the environment.

3. Composition, information on the components

3.1 Chemical characteristics**Formulated product**

Components		Symbols	H-pharse(s)	CAS	N° CE
Ethanol	< 10%	F	H225-H319	64-17-5	200-578-6
Tetrachloroethylene	< 3%	Xn, N	H351-H411	127-18-4	204-825-9
Ammonium oleate	< 5%	Xi	H315	544-60-5	208-873-1
Ammoniac	< 1%	T, N	H314	7664-41-7	231-635-3

For the full text of the H-Statements mentioned in this section, see section 16.

4. First aid measures

4.1 Description of first-aid measures**General advise**

Subjects out of the danger zone.

Remove contaminated clothing immediately.

Medical supervision for at least 48 h.

After inhalation

If breathed in, move subject into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with plenty of water. Buffer with propyleneglycol 400. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Rinse mouth and then drink plenty.

Administer activated charcoal and sodium sulfate.

In case of unconsciousness, lay down the subject in recovery position and call in emergency / a physician.

4.2 Most important symptoms and effects, both acute and delayed**The following symptoms may occur :**

Mucosal irritation
Respiratory tract irritation
Sickliness
Gastrointestinal disorders
Dizziness
Dyspnea
Narcosis

5. Firefighting measures

5.1 Means of extinction

Use water spray, dry chemical or carbon dioxide.

Adapt protective measures in the fight against the fire to environmental protection.

5.2 Special dangers of products of thermal decomposition or gases

Can be released in case of fire :

- Phosgene
- Hydrogen chloride
- Ammoniac
- Carbon monoxide
- Carbon dioxide
- Chlorine and chlorine compounds

5.3 Special equipment of security

Wear self-contained breathing apparatus of the ambient air.

Wear total protection.

5.4 Further information

Cool packaging by spraying with water.

6. Accidental release measures

General measures

Do not let product enter drains. Discharge into the environment must be avoided.

Use absorbent and dispose of in according to Chapter 13.

Particular danger of slipping due to the presence of scattered or spilled product.

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment: gloves, boots, bound to protect the entire body resistant to oils and chlorinated solvents, respiratory protection.

6.2 Environmental precautions

Absorb spilled material and remove the soiled absorbent under Chapter 13.

Neutralization residue after absorption with an inorganic acid and dilute before discharge into the wastewater system.

7. Handling and storage

7.1 Handling

Precautions for handling :

Open and handle containers with care.

Protection against fire and explosion

The product is not flammable. However in case of overheating packaging containing the product or equipment, flammable gases may be released.

Avoid sparks, flames, and the presence of glowing objects.

7.2 Storage

Requirements for storage rooms and vessels :

Store the containers in a cool, well-ventilated place.

Provide floors resistant to leaching.

Information for common storage

Do not store with acids.

Further information about storage conditions

Keep containers tightly closed.

Protect against freezing.

8. Exposure controls/personal protection

Additional information about design of technical facilities :

Use in well-ventilated area, or in a vacuum system with a condensing vapors (see point 7).

Components with critical values that require monitoring at the workplace (Suva 2014)

Tétrachloroethylene	Average value :	345 mg/m ³ , 50 ppm
cas 127-18-4	Limit value :	690 mg/m ³ , 100 ppm

Ethanol	Average value :	960mg/m ³ , 500 ppm
cas 64-17-5	Limit value :	1920 mg/m ³ , 1000 ppm.
Ammoniac	Average value :	14 mg/m ³ , 20 ppm
cas 7664-41-7	Limit value :	28 mg/m ³ , 40 ppm

Additional information :

This document builds on the lists valid at the time of its development.

General protective and hygiene :

Do not eat, drink or smoke in the workplace.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and after work. Avoid contact with eyes and skin.

Provide shower and eye shower on the workplace.

Do not breathe vapors, gases and aerosols.

Personal protective equipment :

Hands protection : Alkaline liquids resistant gloves.

For permanent exposure gloves made of the following materials are suitable :
Chemical resistant gloves (EN374).

Gloves made of the following materials are not suitable :

Leather gloves.

Cloth gloves.

Eyes protection :

Goggles.

Respiratory protection :

In case of vapor / aerosol use a respirator. Gas filter A.

Body protection :

Resistant protective clothing to alkalis and solvents.

9. Physical and chemical properties

General information

Form :	liquid
Colour :	white-beige opaque
Odour :	alcohol-ammonia

Change in condition

Melting point :	no data available
Boiling point :	<100°C
Flash point :	no data available
Flammability (solid, gas) :	easily flammable gas mixed with air
Auto-ignition:	>400 °C
Explosive properties:	The product is not explosive
Explosion limits :	no data available
Vapour pressure at 20°C :	no data available
Density at 20°C :	0,981 g/cm ³
Solubility in water :	fully miscible
Ph value at 20°C :	9,5

10. Stability and reactivity

Thermal decomposition / conditions to be avoided :

No decomposition if used as directed.

To avoid thermal decomposition, do not overheat.

Materials to avoid : strong acids.

Hazardous decomposition products : refer to chapter 5

11. Toxicological information

Acute toxicity :LD / LC50 values relevant for classification :

Tetrachloroethylene	Oral	LD50 3005-3835 mg/kg (rat)
	Dermal	LD50 >10000 mg/kg (rabbit)
	Inhalation	LC50/4h 3786 ppm (rat)
Ethanol	Oral	LD50 10470 mg/kg (souris, rat)
	Dermal	LD50 15800 mg/kg (rabbit)
	Inhalation	LC50/4h 30000 mg/m ³ (mouse, rat)

Primary irritant effect :

Skin : irritation of the skin and mucous membranes. May defat the skin and cause irritation if prolonged or repeated use.

Eyes : severe irritation.

Sensitization : no sensitizing effects known.

Subacute to chronic toxicity : carcinogenic potential.

Results on human :

Prolonged or repeated contact may cause dermatitis by removing the skin lipo-acid layer.
Prolonged and repeated exposure can be harmful to the liver and kidneys.

Additional toxicological information : danger by skin resorption.

12. Ecological information

Ecotoxicological effects :

The product is not readily biodegradable.

Mobility and bioaccumulation potential :

Given the distribution coefficient n-octanol / water an accumulation in aquatic organisms is likely.

Ecotoxicological effects, aquatic toxicity :

EC10/18h 45 mg/l (pseudomonas putida)
EC50/48h 22 mg/l (daphnia magna)

Note :

The substance is harmful to aquatic organisms.

General information :

Do not allow undiluted product or large quantities of it to reach the ground water, water surface or drains.

13. Disposal considerations

Product - Recommendation :

Should not be disposed together with household garbage. Do not allow to enter drains.
Must be specially treated adhering to official regulations. Should not be mixed with other solvents / products for recycling.

Uncleaned packaging – Recommendation :

Packaging can be reused or recycled after cleaning.

Recommended cleansing :

Water, if necessary with cleaning products.

14. Transport information

Land transport ADR / RID and RTMDR / RTMDF (Ordinance on the transport of dangerous goods - road and rail) (cross-border / domestic):
ADR / RID-RTMDR / F (Ordinance on the transport of dangerous goods - road and rail)

No ONU - UN :

2810

Description of product :	2810 R.G.1
No ODS	1230
No EGA	47871

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (CE) n° 1272/2008.

Labelling according to EC Directives :

The product is classified and labeled in accordance with the guidelines of the European Community / the "GetStoffV" Ordinance on Hazardous Materials.

Code letter and hazard designation of product :

CE-Symbol(s) of danger	WARNING DANGEROUS (SGH 07) DANGEROUS FOR HEALTH (SGH 08) DANGEROUS TO THE AQUATIC ENVIRONMENT (SGH 09)
Phrase(s) of risk	H302 : Harmful if swallowed. H315 : Causes skin irritation. H413 : May be harmful in the long term to aquatic organisms.
Phrase(s) of security	P102 : Keep out of reach of children. P260 : Do not breathe vapors. P280 : Wear protective gloves/protective clothing/equipment for eye protection/ face protection. P502 : Refer to manufacturer / supplier for information about recovery / recycling.

Additional labeling :

Contain halogenated solvents:
Tetrachloroethylene <3 %
No UN :1897

16. Other information

The information contained in this safety data sheet are based on our knowledge to date. The information in this sheet must be regarded as a description of the safety requirements for the product, they should not be considered as a warranty or quality specification and have no contractual value of the properties thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid in the case of combination with another product or process, unless it is specified in the text of the paper product.

Recommended use	Restricted to professional users.
Text of H phrases mentioned in section 3	H225 : Highly flammable liquid and vap H314 : Causes skin burns and serious eye damage. H315 : Causes skin irritation. H319 : Causes severe eye irritation. H351 : Suspected of causing cancer. H411: Toxic to aquatic organisms, resulting in adverse long-term effects.
Other information	Read the instructions on the label.
Disclaimer of liability	The information contained in this safety data sheet has been prepared on the basis of our knowledge at the date of publication of this document.

Product standards according to REACH Article 31 of Regulation 1907/2006

HS - Customs Code 2207-20 / No CPID (BAG): 502856-74

Department issuing MSDS : Savonnerie du Léman