



Trade name: Rhei extr liquidum 1/1

Substance number: 127361

Version: 1 / CH

Date revised: 05.01.11

Replaces Version: - / CH

Date of printing: 27.04.12

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

1.1. Product identifier

Rhei extr liquidum 1/1

Item-No. 12736100

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of person responsible for this SDS sdb@haenseler.ch

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226

Classification in accordance with EC directives

Classification R10

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

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

P370+P378.1 In case of fire: Use water sprayjet, carbon dioxide, alcohol-resistant foam or dry powder for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.



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R phrases

10 Flammable.

S phrases

2 Keep out of the reach of children.

7 Keep container tightly closed.

16 Keep away from sources of ignition - No smoking.

3. Composition/information on ingredients**Chemical characterization**Medicinal products
Extract of herbal drugs
Alcoholic solution**Hazardous ingredients****Ethanol**

CAS No.	64-17-5		
EINECS no.	200-578-6		
Concentration	22.5		%
Classification	F, R11		

Classification (Regulation (EC) No. 1272/2008)			
	Flam. Liq. 2		H225

4. First aid measures**4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment. Irregular breathing/no breathing: artificial respiration.

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Consult a physician if necessary. Rinse out mouth and give plenty of water to drink.

5. Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Carbon dioxide, Alcohol-resistant foam, Dry powder, Extinguishing measures to suit surroundings

Non Suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture



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In the event of a fire, toxic and combustible gases can be formed. In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Wear full protective suit. Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep away from heat and sources of ignition. Take precautionary measures against electrostatic loading.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Ethanol

List	SUVA			
Type	MAK			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)
Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;				

8.2. Exposure controls

General protective and hygiene measures

Avoid any contact with the body. Observe the usual precautions when handling chemicals. Keep away from food-stuffs, beverages and feed-stocks.

Respiratory protection

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

Hand protection

Appropriate Material Gloves / resistant to chemicals

Eye protection

Tightly fitting safety glasses



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Body protection

Fire-resistant protective clothing

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties****Boiling point**

Value > 78 °C

Source GESTIS-Stoffdatenbank
(<http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp>)**Flash point**

Value > 24 °C

Source GESTIS-Stoffdatenbank
(<http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp>)**Vapour pressure**

Value < 5.8 kPa

Source GESTIS-Stoffdatenbank
(<http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp>)**10. Stability and reactivity****10.4. Conditions to avoid**

Heat

10.5. Incompatible materials

Alkaline metals, Ammonia, peroxides, Oxidising agents

10.6. Hazardous decomposition products

Hazardous determin decomposition products: Carbon monoxide, Carbon dioxide, Flammable gases/vapours

11. Toxicological information**11.1. Information on toxicological effects****Skin corrosion/irritation**

Remarks Irritating effects on the skin and mucous membrane.

Serious eye damage/irritation

Remarks Eye contact with the product may lead to irritation.

Experience in practice

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

Other information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

Product specific toxicological data are not known.

12. Ecological information**12.6. Other adverse effects****General information / ecology**



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Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1293

14.2. UN proper shipping name

TINCTURES, MEDICINAL

Danger releasing substance Ethanol, Methanol

14.3. Transport hazard class(es)

Class 3

Label 3

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee

14.1. UN number

UN 1293

14.2. UN proper shipping name

TINCTURES, MEDICINAL

Danger releasing substance Ethanol, Methanol

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Air transport ICAO/IATA

14.1. UN number

UN 1293

14.2. UN proper shipping name

TINCTURES, MEDICINAL

Danger releasing substance Ethanol, Methanol

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

15. Regulatory information

16. Other information

R-phrases listed in chapter 3

11 Highly flammable.

Hazard statements listed in chapter 3

H225 Highly flammable liquid and vapour.



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Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.