



Trade name: Phenolphthalein 2% in Ethanol

Substance number: 182322

Version: 2 / CH

Date revised: 11.05.12

Replaces Version: 1 / CH

Date of printing: 11.05.12

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

1.1. Product identifier

Phenolphthalein 2% in Ethanol

Item-No. 18232200

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. 2 H225

Muta. 2 H341

Carc. 1A H350

Classification in accordance with EC directives

Classification Carc.Cat.2, T, R45

Xn, R68

F, R11

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H225	Highly flammable liquid and vapour.
H341	Suspected of causing genetic defects.
H350	May cause cancer.

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.



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P405 Rinse skin with water/shower.
P501.1 Store locked up.
Dispose of contents/container to be taken to an authorised special waste incineration plant.

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.

Hazard symbols

Toxic



Harmful



Highly flammable

R phrases

45 May cause cancer.
11 Highly flammable.
68 Possible risk of irreversible effects.

S phrases

53 Avoid exposure - obtain special instructions before use.
7/9 Keep container tightly closed and in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe vapours/aerosols.
33 Take precautionary measures against static discharges.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains Phenolphthalein

Special labelling for certain preparations

"Restricted to professional users"

3. Composition/information on ingredients**Chemical characterization**

Mixture of the following listed substances with harmless admixtures.

Hazardous ingredients**Phenolphthalein**

CAS No.	77-09-8
EINECS no.	201-004-7
Concentration	>= 1 < 10 %
Classification	Carc.Cat.2, T, R45 Muta.Cat.3, T, R68 Repr.Cat.3, T, R62

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

Carc. 1B	H350
Muta. 2	H341
Repr. 2	H361f

Butanone

CAS No. 78-93-3



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EINECS no.	201-159-0				
Concentration	>=	1	<	10	%
Classification	Xi, R36 F, R11 R66 R67				

Classification (Regulation (EC) No. 1272/2008)	
Eye Irrit. 2	H319
STOT SE 3	H336
Flam. Liq. 2	H225

Ethanol

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration	>=	50	<	100	%
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**

Remove affected person from danger area. Adhere to personal protective measures when giving first aid.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In general the product isn't skin irritating.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let plenty of water be drunk in small gulps.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

Frequent and persistent contact with the skin can cause dermatitis.

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non Suitable extinguishing media

Full water jet



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5.2. Special hazards arising from the substance or mixture

Under certain fire conditions the smoke may contain other toxic compounds. Forms explosive mixture with air are possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Suppress vapours with water spray jet.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Advise water authority if spillage has entered water course or drainage system. Do not empty into drains, caverns and basements.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder). When picked up, treat material as prescribed under heading "Disposal". Ensure adequate ventilation.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Keep limited supplies at workplace. Provide good ventilation of working area (local exhaust ventilation if necessary). Open and handle container with care. Avoid formation of aerosols.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges. Hold breathing apparatus.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Keep container in a well-ventilated place. Keep container tightly closed. Keep containers tightly closed in a dry, cool and well-ventilated place.

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)



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Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;

Butanone

List	SUVA			
Type	MAK			
Value	590	mg/m ³	200	ppm(V)
Short term exposure limit	590	mg/m ³	200	ppm(V)

Maximum limit value: 15 min; Skin resorption / sensibilisation: H; Pregnancy group: C; Status: 2005;
Remarks: B

8.2. Exposure controls**General protective and hygiene measures**

At work do not eat, drink, smoke or take drugs. Keep away from food-stuffs, beverages and feed-stocks. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Store work clothing separately.

Respiratory protection

necessary; Filter apparatus, filter A/P3; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Gloves (solvent-resistant)
Not suitable: gloves made of thick material

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing

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

Form	liquid		
Colour	colourless		
Odour	alcohol-like		
pH			
Remarks	neutral		
Melting point			
Remarks	Not determined		
Boiling point			
Value	78		°C
Flash point			
Value	< 21		°C
Flammability			
Not self inflammable			
Explosion limits			
Lower explosion limit	3.5		%(V)
Upper explosion limit	15		%(V)
Vapour pressure			
Value	23		hPa
Temperature	20		°C
Density			
Value	appr. 0.868		g/cm ³



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Temperature 20 °C

Solubility in water

Remarks miscible in all proportions

Ignition temperature

Value 363 °C

9.2. Other information**Other information**

The product is not dangerous for explosions. Forms explosive mixture with air are possible.

10. Stability and reactivity**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Reactions with strong acids. Reactions with oxidising agents.

10.6. Hazardous decomposition products

Flammable gases/vapours

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

valuation irritant

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Serious eye damage/irritation

valuation non-irritant

Sensitization

Remarks No sensitisation effect known.

Subacute, subchronic, chronic toxicity

Remarks Suspicion about carcinogenic effect.

Remarks Repeated absorption/exposure may cause disorder of central nervous system, liver, kidneys and blood.

Other information

CMR-effects (carcinogenic, genetic damage and reproductive endanger)

12. Ecological information**12.2. Persistence and degradability****Biodegradability**

Remarks The product is biodegradable.

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential**

low

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



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Innocuous to aquatic organisms. Do not allow it to reach soil, ground water, water bodies or sewage system. Hazard for drinking water supplies.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

In accordance with regulations for special waste, must be taken, to an authorised special waste incineration plant.

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1170

14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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 1170

14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 1170

14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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



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11	Highly flammable.
36	Irritating to eyes.
45	May cause cancer.
62	Possible risk of impaired fertility.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
68	Possible risk of irreversible effects.

Hazard statements listed in chapter 3

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361f	Suspected of damaging fertility.

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.