



Trade name: Formaldehydi sol ethanolica

Substance number: 215601

Version: 1 / CH

Date revised: 29.05.12

Replaces Version: - / CH

Date of printing: 29.05.12

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

1.1. Product identifier

Formaldehydi sol ethanolica

Item-No. 21560100

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 sdb@haenseler.ch

person responsible
for this SDS

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
Skin Sens. 1	H317
Carc. 2	H351.1
Acute Tox. 4	H302
Acute Tox. 4	H312
Acute Tox. 4	H332

Classification in accordance with EC directives

Classification	F, R11
	Carc.Cat.3, R40
	R43
	Xn, R20/21/22

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.
H317	May cause an allergic skin reaction.
H351.1	Suspected of causing cancer.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.



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H332 Harmful if inhaled.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medicinal advice/attention.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P370+P378.1 In case of fire: Use water sprayjet, carbon dioxide, alcohol-resistant foam or dry powder for extinction.

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

Highly flammable



Harmful

R phrases

11 Highly flammable.
 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 40 Limited evidence of a carcinogenic effect.
 43 May cause sensitization by skin contact.

S phrases

9 Keep container in a well-ventilated place.
 16 Keep away from sources of ignition - No smoking.
 24 Avoid contact with skin.
 33 Take precautionary measures against static discharges.
 36/37 Wear suitable protective clothing and gloves.
 60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains Formaldehyde

3. Composition/information on ingredients**Hazardous ingredients****Formaldehyde**

CAS No.	50-00-0
EINECS no.	200-001-8
Concentration	>= 1 < 10 %
Classification	Carc.Cat.3, R40 T, R23/24/25 C, R34 R43

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

Acute Tox. 3	H331
Acute Tox. 3	H311
Acute Tox. 3	H301
Skin Corr. 1B	H314
Skin Sens. 1	H317



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Carc. 2 H351

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3	H335	>= 5
Skin Sens. 1	H317	>= 0,2
Skin Corr. 1B	H314	>= 25
Eye Irrit. 2	H319	<= 5 < 25
Skin Irrit. 2	H315	<= 5 < 25

Methanol

CAS No.	67-56-1
EINECS no.	200-659-6
Concentration	>= 1 < 10 %
Classification	T, R23/24/25-R39/23/24/25 F, R11

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

Flam. Liq. 2	H225
Acute Tox. 3	H331
Acute Tox. 3	H311
Acute Tox. 3	H301
STOT SE 1	H370

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 2	H371	<= 3 < 10
STOT SE 1	H370	>= 10

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. Summon a doctor immediately.

After skin contact

In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Summon a doctor immediately.

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

Extinguishing measures to suit surroundings, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

Forms explosive mixture with air are possible. The product is combustible. Keep away sources of ignition.



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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. 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

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. Work only in fume cupboards. Avoid development of dusts/ billows/ steams.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 15 - 25 °C

Requirements for storage rooms and vessels

Prevent unauthorized access. Do not use metal containers.

Further information on storage conditions

Keep container tightly closed. Protect from light. Keep under lock and key or accessible only to specialists or people who are authorized.

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;				

Formaldehyde

List	SUVA			
Type	MAK			
Value	0,37	mg/m ³	0,3	ppm(V)
Short term exposure limit	0,74	mg/m ³	0,6	ppm(V)
Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;				

Methanol

List	SUVA			
Type	MAK			
Value	260	mg/m ³	200	ppm(V)
Short term exposure limit	1040	mg/m ³	800	ppm(V)
Maximum limit value: 4x15; Skin resorption / sensibilisation: H; Pregnancy group: C; Status: 2005;				
Remarks: B				

8.2. Exposure controls



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General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work. Do not eat, drink or smoke during work time. Do not inhale vapours. Work only in fume cupboards. Do not inhale aerosols.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Breathing apparatus in the event of vapours.

Hand protection

necessary

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.7 mm
Penetrating time	> 240 min

Eye protection

necessary

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

Form	Liquid
Colour	colourless
Odour	of ethanol
Odour	of formaldehyde
Boiling point	
Value	appr. 80 °C
Flash point	
Value	appr. 20 °C
Explosion limits	
Lower explosion limit	4 % (V)
Upper explosion limit	15 % (V)
Density	
Value	0.8452 g/cm ³
Solubility in water	
Temperature	20 °C
Remarks	soluble
Solubility in other solvents	
Ethanol	
Temperature	20 °C
Remarks	soluble

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

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Alkaline metals, Acids, nitrogen oxides, hydrogen peroxide (H₂O₂).

10.6. Hazardous decomposition products

Formaldehyde



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11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Remarks No data available.

Skin corrosion/irritation

Remarks No data available.

Serious eye damage/irritation

Remarks No data available.

Sensitization

valuation sensitizing

Carcinogenicity

Remarks No data available.

12. Ecological information

12.1. Toxicity

Daphnia toxicity

Species Daphnia
EC50 appr. 2 mg/l

12.2. Persistence and degradability

Biodegradability

Remarks No data available.

12.6. Other adverse effects

General information / ecology

Do not allow 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 1198

14.2. UN proper shipping name

FORMALDEHYDE SOLUTION, FLAMMABLE

14.3. Transport hazard class(es)

Class 3
Label 3 8

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee



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14.1. UN number

UN 1198

14.2. UN proper shipping name

FORMALDEHYDE SOLUTION, FLAMMABLE

14.3. Transport hazard class(es)

Class 3

Subsidiary risk 8

14.4. Packing group

Packing group III

Air transport ICAO/IATA**14.1. UN number**

UN 1198

14.2. UN proper shipping name

FORMALDEHYDE SOLUTION, FLAMMABLE

14.3. Transport hazard class(es)

Class 3

Subsidiary risk 8

14.4. Packing group

Packing group III

15. Regulatory information**16. Other information****R-phrases listed in chapter 3**

11	Highly flammable.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
40	Limited evidence of a carcinogenic effect.
43	May cause sensitization by skin contact.

Hazard statements listed in chapter 3

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H351	Suspected of causing cancer.
H370	Causes damage to organs.

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.