



Trade name: Formaldehydi sol saponata

Substance number: 215701

Version: 3 / CH

Date revised: 31.05.12

Replaces Version: 2 / CH

Date of printing: 31.05.12

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

### 1.1. Product identifier

Formaldehydi sol saponata

Item-No. 21570100

### 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)

Acute Tox. 4	H302
Acute Tox. 4	H312
Acute Tox. 4	H332
Skin Corr. 1B	H314
Skin Sens. 1	H317
Carc. 2	H351

#### Classification in accordance with EC directives

Classification	Carc.Cat.3, R40
	C, R34
	R43

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal Word

Danger

#### Hazard statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.



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**Precautionary statements**

P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P405	Store locked up.
P501.3	Disposal in compliance with local and national regulations.

**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**

Corrosive

**R phrases**

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

**S phrases \*\*\***

24	Avoid contact with skin.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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 Formaldehyde;Potassium hydroxide

**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
Carc. 2	H351

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

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

**Potassium hydroxide**

CAS No.	1310-58-3
EINECS no.	215-181-3
Concentration	>= 1 < 10 %
Classification	Xn, R22 C, R35

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

Acute Tox. 4	H302
Skin Corr. 1A	H314

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

Eye Irrit. 2	H319	<= 0,5 < 2
Skin Irrit. 2	H315	<= 0,5 < 2
Skin Corr. 1A	H314	>= 5
Skin Corr. 1B	H314	<= 2 < 5

**Methanol**

CAS No.	67-56-1
EINECS no.	200-659-6
Concentration	< 1 %
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**

Remove contaminated, soaked clothing immediately and dispose of safely. In case of accident or if you feel unwell, seek medical advice immediately.

**After inhalation**

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

**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.). In case of irritation consult an oculist.

**After ingestion**



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Rinse mouth thoroughly with water. Take medical treatment.

## **5. Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

### **5.2. Special hazards arising from the substance or mixture**

Formaldehyde vapours; In the event of fire the following can be released:

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Wear protective clothing. Do not inhale explosion and/or combustion gases.

#### **Other information**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## **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 allow to enter drains or waterways. Do not discharge into the subsoil/soil. In case the product spills into sewage waters, immediately inform the authorities.

### **6.3. Methods and material for containment and cleaning up**

Pick up mechanically. Send in suitable containers for recovery or disposal. Clean contaminated surfaces thoroughly with water.

### **6.4. Reference to other sections**

Refer to protective measures listed in sections 7 and 8. Information regarding Waste Disposal, see chapter 13.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Further information on storage conditions**

Keep container tightly closed in a well-ventilated place. Protect from light.

## **8. Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure limit values**

##### **Ethanol**

List	SUVA			
Type	MAK			
Value	960	mg/m <sup>3</sup>	500	ppm(V)
Short term exposure limit	1920	mg/m <sup>3</sup>	1000	ppm(V)



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

**Formaldehyde**

List	SUVA			
Type	MAK			
Value	0,37	mg/m <sup>3</sup>	0,3	ppm(V)
Short term exposure limit	0,74	mg/m <sup>3</sup>	0,6	ppm(V)

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

**Potassium hydroxide**

List	SUVA			
Type	MAK			
Value	2	mg/m <sup>3</sup>		

Status: 2005;

**Methanol**

List	SUVA			
Type	MAK			
Value	260	mg/m <sup>3</sup>	200	ppm(V)
Short term exposure limit	1040	mg/m <sup>3</sup>	800	ppm(V)

Maximum limit value: 4x15; Skin resorption / sensibilisation: H; Pregnancy group: C; Status: 2005;

Remarks: B

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

Observe the usual precautions when handling chemicals. Avoid any contact with the body.

**Respiratory protection**

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

**Hand protection**

Appropriate Material nitrile

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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

Value	> 100	°C
Source	estimated value	

**Flash point**

Value	> 300	°C
Source	estimated value	

**Vapour pressure**

Value	< 5.8	kPa
Temperature	20	°C
Source	estimated value	

**Efflux time**

Value	> 10	s
method	DIN 53211 4 mm	
Source	estimated value	

**10. Stability and reactivity**



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## 10.4. Conditions to avoid

Protect from light. Protect from heat and direct sunlight.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Other information

By appropriate use of the product no health damage is known.  
Product specific toxicological data are not known.

## 12. Ecological information

### 12.6. Other adverse effects

#### General information / ecology

Ecological data are not available. 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 1903

#### 14.2. UN proper shipping name

DISINFECTANT, LIQUID, CORROSIVE, N.O.S

Danger releasing substance Methanol

#### 14.3. Transport hazard class(es)

Class 8

Label 8

#### 14.4. Packing group

Packing group III

### Marine transport IMDG/GGVSee

#### 14.1. UN number

UN 1903

#### 14.2. UN proper shipping name

DISINFECTANT, LIQUID, CORROSIVE, N.O.S

Danger releasing substance Methanol

#### 14.3. Transport hazard class(es)

Class 8

#### 14.4. Packing group

Packing group III

### Air transport ICAO/IATA

#### 14.1. UN number

UN 1903

#### 14.2. UN proper shipping name



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DISINFECTANT, LIQUID, CORROSIVE, N.O.S

Danger releasing substance Methanol

**14.3. Transport hazard class(es)**

Class 8

**14.4. Packing group**

Packing group III

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

11	Highly flammable.
22	Harmful if swallowed.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
35	Causes severe 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.
H302	Harmful 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.