

Trade name: Phenolphthaleinum

Substance number: 067144

Version: 2 / CH

Date revised: 17.03.2016

Replaces Version: - / CH

Print date: 17.03.16

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Phenolphthaleinum

Item No. 06714400

Registration no.

EC No.: 201-004-7

CAS No. 77-09-8

Substance / product identification

CAS-No. 77-09-8

EINECS-No. 201-004-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

analytics

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

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

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

Muta. 2 H341

Carc. 1B H350

Repr. 2 H361f

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

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Hazard statements

H350 May cause cancer.
 H361f Suspected of damaging fertility.
 H341 Suspected of causing genetic defects.

Precautionary statements ***

P201 Obtain special instructions before use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medicinal advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container to ...

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Phenolphthalein

Further supplemental information ***

Restricted to professional users

Other information

Not for supply to the general public in Switzerland

SECTION 3: Composition/information on ingredients *****3.1. Substances****Molecular weight**

Value	318.32	g/mol
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Hazardous ingredients (Regulation (EC) No. 1272/2008) *****Phenolphthalein**

CAS No.	77-09-8		
EINECS no.	201-004-7		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Carc. 1B	H350	
	Muta. 2	H341	
	Repr. 2	H361f	

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

Take off contaminated clothing and shoes immediately.. Summon a doctor immediately.. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air.. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.

After skin contact

Wash off immediately with soap and water and rinse well.. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).. By continuous complaints consult a physician.

After ingestion

Rinse out mouth and give plenty of water to drink.. Seek medical advice immediately.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide, Dry powder, Alcohol-resistant foam

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.; Carbon monoxide (CO)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.. Ensure adequate ventilation.. Avoid dust formation.. Do not inhale dust.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Pick up mechanically.. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7.. Information regarding personal protective measures, see Section 8.. Information regarding waste disposal, see Section 13.

SECTION 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 dust formation.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

Hints on storage assembly

Do not store with oxidizing agents.

Storage class according to TRGS 510

Storage class according to TRGS 510 6.1D

Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

Further information on storage conditions

Protect from light.

SECTION 8: Exposure controls/personal protection ***

8.2. Exposure controls

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Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work. Avoid contact with skin. Avoid contact with eyes.

Respiratory protection

Self-contained (insulating equipment) breathing apparatus.

Hand protection ***

In case of intensive contact wear protective gloves.

Appropriate Material		nitrile rubber - NBR	
Material thickness		0.11	mm
Breakthrough time	>	480	
Material thickness		0.11	mm
Breakthrough time	>	480	min

Eye protection

Safety glasses

Body protection

protective overalls

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

Form		Crystalline powder	
Colour		white	
Odour		odourless	
Melting point			
Value		261	to 263 °C
Source		Literature value	
Initial boiling point and boiling range			
Value	>	450	°C
Pressure		1.013	hPa
Flash point			
Remarks		Not applicable	
Flammability (solid, gas)			
Not self inflammable			
Vapour pressure			
Value	<	0.00000	hPa
		01	
Temperature		20	°C
Method		OECD 104	
Vapour density			
Remarks		No data available	
Density			
Value		1.296	g/cm ³
Temperature		20	°C
Solubility in water			
Value		0.00336	g/l
Temperature		20	°C

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Method	OECD 105
Remarks	virtually insoluble

Solubility(ies)

Value	96	%
Remarks	soluble in methanol, ethanol, acetone	

Partition coefficient: n-octanol/water

log Pow	0.9
Temperature	25 °C
Method	OECD 107

Auto-ignition temperature

Value	397	°C
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

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

Remarks	Irritates the mucous membrane.
Remarks	Irritating to skin.

Serious eye damage/irritation

Remarks	Irritates the eyes.
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Sensitization

Remarks	No sensitisation effect known.
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Subacute, subchronic, chronic toxicity

Remarks	None
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Mutagenicity

Species	mouse
evaluation	Information on genotoxicity in vivo available.
Species	Salmonella typhimurium
evaluation	No experimental information on genotoxicity in vitro available.

Reproductive toxicity

Species	Salmonella typhimurium
evaluation	No negative effects

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Remarks negative

Carcinogenicity

Remarks May cause cancer.

Other information

Quantitative data concerning toxicity are not available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

For this subsection there is no ecotoxicological data available on the product as such.

12.2. Persistence and degradability**General information**

There is no data available on the product apart from the information given in this subsection.

Biodegradability

Value	76	%
Duration of test evaluation	28	d
Method	Readily biodegradable OECD 301	

12.3. Bioaccumulative potential**General information**

For this subsection there is no ecotoxicological data available on the product as such.

Partition coefficient: n-octanol/water

log Pow	0.9	
Temperature	25	°C
Method	OECD 107	

12.4. Mobility in soil**General information**

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment**General information**

For this subsection there is no ecotoxicological data available on the product as such.

12.6. Other adverse effects**General information**

For this subsection there is no ecotoxicological data available on the product as such.

General information / ecology

Do not allow it to reach ground water, water bodies or sewage system.. Product is hazardous to water.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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SECTION 14: Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 2

Remarks Classification according to Annex 4 VwVwS

SECTION 16: Other information

R-phrases listed in Chapter 3

45	May cause cancer.
62	Possible risk of impaired fertility.
68	Possible risk of irreversible effects.

Hazard statements listed in Chapter 3

H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361f	Suspected of damaging fertility.

CLP categories listed in Chapter 3

Carc. 1B	Carcinogenicity, Category 1B
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2

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.