

Trade name: Acid phosphoricum 20% sol

Substance number: 204871

Version: 4 / CH

Date revised: 14.12.2016

Replaces Version: 3 / CH

Print date: 14.12.16

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

1.1. Product identifier

Acid phosphoricum 20% sol

Item No. 20487100

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

Use of the substance/preparation

Chemical

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)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

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

Warning

Hazard statements

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Precautionary statements ***

P264.1

Wash hands thoroughly after handling.

P280

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

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.

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

contains Phosphoric acid

2.3. Other hazards

Causes burns. Irritating to respiratory system.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Phosphoric acid**

CAS No.	7664-38-2				
EINECS no.	231-633-2				
Concentration	>= 10	<	25		%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1B		H314		

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

Skin Irrit. 2	H315	>= 10 < 25
Skin Corr. 1B	H314	>= 25
Eye Irrit. 2	H319	>= 10 < 25

DSD Directive 67/548/EEC, Annex I, Note B
 CLP Regulation (EC) No 1272/2008, Annex VI, Note B

Further ingredients**Water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	50		%
Advice: [4]					

Advice:

[4] Voluntary information

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

Adhere to personal protective measures when giving first aid. Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

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

After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice. Shield unaffected eye.

After ingestion

Drink water in small gulps. Do not induce vomiting. Summon a doctor immediately.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Foam, Carbon dioxide, Dry powder

5.2. Special hazards arising from the substance or mixture

The product is not combustible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove persons to safety. Use personal protective clothing. Keep away unprotected persons. Ensure adequate ventilation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Neutralise with: milk of lime. Dilute with water. Pick up rest with suitable absorbent materials. Send in suitable containers for recovery or disposal.

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8.

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). Use only acid resistant equipment.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from extreme heat and cold.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Phosphoric acid

List	SUVA	
Type	MAK	
Value	1	mg/m ³
Short term exposure limit	2	mg/m ³
Pregnancy group: S; Status: 2014		

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8.2. Exposure controls

General protective and hygiene measures

Wash hands before breaks and after work. Remove contaminated, soaked clothing immediately and dispose of safely. Do not eat, drink or smoke during work time. Take a shower after work finish.

Respiratory protection

Breathing apparatus in the event of vapours. Full mask; combination filter B-P3; Breathing apparatus in the event of vapours.

Hand protection

Gloves

Appropriate Material	Natural Latex		
Material thickness	0.6	mm	
Breakthrough time	> 480	min	

Eye protection

Safety goggles; Face shield

Body protection

Clothing as usual in the chemical industry. protective overalls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	colourless, clear

pH value

Remarks	not determined
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Initial boiling point and boiling range

Remarks	Not applicable
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Flash point

Value	°C
Remarks	Not applicable

Upper/lower flammability or explosive limits

Remarks	Not applicable
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Vapour pressure

Remarks	Not applicable
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Density

Remarks	not determined
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Solubility in water

Remarks	miscible in all proportions
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Ignition temperature

Remarks	Not applicable
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Decomposition temperature

Remarks	No decomposition if used as prescribed.
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9.2. Other information

Other information

Product is hygroscopic.

SECTION 10: Stability and reactivity

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10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Protect from atmospheric moisture and water.

Decomposition temperature

Remarks No decomposition if used as prescribed.

10.5. Incompatible materials

Reactions with metals, with evolution of hydrogen. Reactions with strong alkalis. Corrosive to metals.

10.6. Hazardous decomposition products

Phosphorus compounds

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**ATE 7'096.47 mg/kg
5

Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)**Phosphoric acid**Species rat
LC50 1530 mg/kg
Source BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol 17-4/1970**Acute dermal toxicity**Species rabbit
LD50 2740 mg/kg**Acute dermal toxicity (Components)****Phosphoric acid**Species rabbit
LD50 2740
Source BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4/1970**Skin corrosion/irritation**

evaluation corrosive

Skin corrosion/irritation (Components)**Phosphoric acid**

evaluation corrosive

Serious eye damage/irritation

evaluation corrosive

Serious eye damage/irritation (Components)**Phosphoric acid**

evaluation corrosive

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Sensitization

evaluation non-sensitizing

Other information

Causes burns.

SECTION 12: Ecological information**12.2. Persistence and degradability****Physico-chemical eliminability**

Remarks	Quantitative data concerning the ecological effect are not available.
Remarks	Elimination from water possible by precipitation or flocculation.

SECTION 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

Disposal in compliance with local and national regulations.

SECTION 14: Transport information**Land transport ADR/RID****14.1. UN number**

UN 1805

14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

Class	8
Label	8

14.4. Packing group

Packing group	III
Limited Quantity	5 I
Transport category	3
Tunnel restriction code	E

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1805

14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

Class	8
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14.4. Packing group

Packing group	III
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Air transport ICAO/IATA**14.1. UN number**

UN 1805

14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

Class	8
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14.4. Packing group

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Packing group

III

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 3

Remarks Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H314 Causes severe skin burns and eye damage.

CLP categories listed in Chapter 3

Skin Corr. 1B Skin corrosion, Category 1B

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.