

Trade name: Acid phosphoricum 20% sol

Substance number: 204871

Version: 6 / CH

Date revised: 13.08.2025

Replaces Version: 5 / CH

Print date: 13.08.25

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Acid phosphoricum 20% sol

Item No. 20487100

Substance / product identification

UFI 3XY8-M1MT-0W1G-5QSH

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/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 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 Dam. 1 H318

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

Hazard statements ***

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements ***

P264.1 Wash hands thoroughly after handling.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor.
 P362 Take off contaminated clothing.

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.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******phosphoric acid ... %**

CAS No.	7664-38-2
EINECS no.	231-633-2
Registration no.	01-2119485924-24
Concentration	>= 10 < 25 %
Classification (Regulation (EC) No. 1272/2008)	
Met. Corr. 1	H290
Acute Tox. 4	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318

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

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

ATE oral 1'530 mg/kg

Additional remarks:

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]	

Note

[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.

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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.

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**Storage classes**

Storage class according to TRGS 510

8B

Non-combustible corrosive hazardous substances

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Storage category (Switzerland)

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Caustic and corrosive substances

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	2	mg/m ³
Short term exposure limit	4	mg/m ³
Pregnancy group: S; Remarks: SSc; Lunge OAW Haut Auge; NIOSH OSHA		

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**

Physical state	Liquid
Colour	colourless, clear

Boiling point or initial boiling point and boiling range

Remarks	Not applicable
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Upper and lower explosive limits

Remarks	Not applicable
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Flash point

Value	°C
Remarks	Not applicable

Ignition temperature

Remarks	Not applicable
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Decomposition temperature

Remarks	No decomposition if used as prescribed.
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pH value

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Remarks not determined

Vapour pressure

Remarks Not applicable

Density and/or relative density

Remarks not determined

9.2. Other information**Solubility in water**

Remarks miscible in all proportions

Other information

Product is hygroscopic.

SECTION 10: Stability and reactivity**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.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Phosphorus compounds

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****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 (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)

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phosphoric acid ... %

evaluation corrosive

Serious eye damage/irritation

evaluation corrosive

Serious eye damage/irritation (Components)**phosphoric acid ... %**

evaluation corrosive

Sensitization

evaluation non-sensitizing

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Other information

Causes burns.

SECTION 12: Ecological information**12.1. Toxicity****Daphnia toxicity (Components)****phosphoric acid ... %**

Species	Daphnia magna	
EC50	> 100	mg/l
Duration of exposure	48	h
Source	ECHA	

Algae toxicity (Components)**phosphoric acid ... %**

Species	Desmodesmus subspicatus	
ErC50	> 100	mg/l
Source	ECHA	

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.

12.3. Bioaccumulative potential**General information**

No data available

12.4. Mobility in soil**General information**

No data available

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

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties

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Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.




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	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number	1805	1805	1805
14.2. UN proper shipping name	PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID, SOLUTION
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

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 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

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

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H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, 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.