



Trade name: Acid citricum anhydr/Antistress

Substance number: 060146

Version: 3 / CH

Date revised: 09.10.12

Replaces Version: - / CH

Date of printing: 09.10.12

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

1.1. Product identifier

Acid citricum anhydr/Antistress

Item-No. 06014600

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

Use of the substance/preparation

Food, food additive, Reagent for analyses, pharmacy, Antioxidant, active substances for cosmetic products, Preservative

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)

Eye Irrit. 2 H319

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal Word ***

Warning

Hazard statements ***

H319 Causes serious eye irritation.

Precautionary statements

P280.1 Wear Eye protection/face protection.

P264.1 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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.



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Hazard symbols

Irritant

R phrases

36 Irritating to eyes.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

3. Composition/information on ingredients *****Hazardous ingredients *******citric acid**

CAS No. 77-92-9

EINECS no. 201-069-1

Concentration >= 50 %

Classification Xi

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

Eye Irrit. 2 H319

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

Remove contaminated, soaked clothing immediately and dispose of safely. By continuous complaints consult a physician.

After inhalation

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

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician. Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

Rinse out mouth and give plenty of water to drink. In the event of symptoms take medical treatment.

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.



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5.2. Special hazards arising from the substance or mixture

The product is combustible. In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

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

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. Avoid contact with eyes and skin.

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. Send in suitable containers for recovery or disposal. Clean preferably with a detergent - avoid use of solvents. Flush away residues with hot water. Neutralize

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. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Keep only in the original container. Do not use metal containers.

Hints on storage assembly

Do not store with oxidizing agents. Do not store together with: Alkalies, solvents

Further information on storage conditions

Keep container tightly closed. Protect from atmospheric moisture and water.

8. Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions when handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Do not eat or drink during work time. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Do not inhale dust/fumes/aerosols. Avoid contact with eyes and skin.

Respiratory protection

Dust mask



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Hand protection

Protective gloves

Appropriate Material

Butyl rubber - Butyl

Appropriate Material

nitrile rubber - NBR

Eye protection

Tightly fitting safety glasses

Body protection

Protective clothing

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

solid

Colour

white

Odour

characteristic

pH

Value

1.2

to

1.5

Melting point

Value

153

°C

Boiling point

Remarks

Not determined

Flash point

Remarks

Not applicable

Flammability

Not ignitable

Explosion limits

Remarks

Not applicable

Vapour pressure

Remarks

Not applicable

Density

Value

1.665

g/cm³**Solubility in water**

Remarks

soluble

Thermal decomposition

Value

> 170

°C

Efflux time

Remarks

Not applicable

9.2. Other information**Other information**

Forms explosive mixture with air are possible.

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

Protect from heat and direct sunlight. Heat. Flames. Sparks

Thermal decomposition

Value

> 170

°C



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10.5. Incompatible materials

Alkaline metals, Oxidising agents, Bases, Reacts violently with: Alkaline metals, Oxidising agents, Reactions with reducing agents. Danger of dust explosion

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	mouse		
LD50	5040		mg/kg
Species	rat		
LD50	3000		mg/kg

Skin corrosion/irritation

Remarks	Irritates the mucous membrane.
Remarks	Irritating to skin.

Serious eye damage/irritation

valuation	irritant
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12. Ecological information

12.1. Toxicity

Fish toxicity

LC50	440	to	760	mg/l
Duration of exposure	96	h		
Remarks	Very toxic for fishes.			

Daphnia toxicity

Species	Daphnia		
EC50	appr. 120		mg/l
Duration of exposure	72	h	

12.2. Persistence and degradability

Biodegradability

Value	98		%
Duration of test	24	h	
valuation	Readily biodegradable		

12.6. Other adverse effects

General information / ecology

Product is slightly hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Harmful to aquatic organisms.

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.



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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.

14.5. Environmental hazards

no

Air transport ICAO/IATA ***

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

15. Regulatory information

15.2. Chemical safety assessment

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

16. Other information

Hazard statements listed in chapter 3

H319

Causes serious eye irritation.

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.