

Trade name: Natrii acetat trihydrate

Substance number: 065800

Version: 3 / CH

Date revised: 13.07.2022

Replaces Version: 2 / CH

Print date: 13.07.22

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

1.1. Product identifier

Natrii acetat trihydrate

Item No. 06580000

Substance / product identification

CAS-No. 6131-90-4

EINECS-No. 204-823-8

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

Use of the substance/preparation

Manufacture of pharmaceutical products, food additive

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

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Further ingredients

sodium acetate trihydrate

CAS No. 6131-90-4

EINECS no. 204-823-8

Registration no. 01-2119485123-42

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off contaminated clothing and shoes immediately. If you feel unwell, seek medical advice (show the label where possible).

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. In case of contact with skin wash off with water. Consult a doctor if symptoms occur.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Remove contact lenses. Eye doctor.

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. In the event of symptoms take medical treatment.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

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. Use personal protective clothing.

Other information

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Ensure adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

Do not empty into drains, caverns and basements.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

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.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Explosive in mixture with organic substances. Take action to prevent static discharges. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a well-ventilated place.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510	11	Combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

Further information on storage conditions

Store in a dry place

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Exposure controls

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

General protective and hygiene measures

Do not breathe dust. Avoid contact with skin and eyes. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Respiratory protection

Breathing apparatus in the event of aerosol. Particle filter P1

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	nitrile rubber - NBR		
Material thickness	0.4	mm	
Breakthrough time	> 480	min	

Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield

Body protection

Protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	crystalline		
Colour	white		
Odour	of acetic acid		
pH value			
Value	7.5	to	9
Concentration/H ₂ O	50	g/l	
Temperature	20	°C	
Melting point			
Value	58		°C
Flash point			
Value	> 250		°C
Method	closed cup		
Density			
Value	1.42		g/cm ³
Temperature	20	°C	
Solubility in water			
Value	appr. 613		g/l
Temperature	20	°C	
Partition coefficient: n-octanol/water			
log Pow	-3.72		
Method	calculated		
Ignition temperature			
Value	appr. 607		°C
Decomposition temperature			
Value	> 120		°C
Remarks	Loss of crystal water.		

9.2. Other information

Bulk density

Value	880	to	980	kg/m ³
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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

To avoid thermal decomposition, do not overheat.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

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nitrates, Fluorine

10.6. Hazardous decomposition products

No hazardous decomposition products known when handled according to prescribed instructions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****sodium acetate trihydrate**

Species	rat		
LD50		3530	mg/kg
Remarks	anhydrous		

Acute dermal toxicity (Components)**sodium acetate trihydrate**

Species	rabbit		
	>	10000	
Remarks	anhydrous		

Acute inhalative toxicity (Components)**sodium acetate trihydrate**

Species	rat		
	>	30	mg/l

Skin corrosion/irritation

evaluation	non-irritant
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Skin corrosion/irritation (Components)**sodium acetate trihydrate**

evaluation	slightly irritant
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Serious eye damage/irritation

evaluation	non-irritant
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Serious eye damage/irritation (Components)**sodium acetate trihydrate**

Remarks	slightly irritating (Eye)
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Sensitization (Components)**sodium acetate trihydrate**

evaluation	non-sensitizing
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Mutagenicity (Components)**sodium acetate trihydrate**

evaluation	No experimental indications on genotoxicity in vivo found.
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Carcinogenicity (Components)**sodium acetate trihydrate**

Remarks	No data available
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Other information

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

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Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	> 1000	mg/l

Fish toxicity (Components)**sodium acetate trihydrate**

Species	Bluegill (<i>Lepomis macrochirus</i>)	
LC50	5000	mg/l
Duration of exposure	24 h	
Source	anhydrous substance	

Daphnia toxicity (Components)**sodium acetate trihydrate**

Species	<i>Daphnia magna</i>	
EC50	> 1000	mg/l
Duration of exposure	48 h	
Source	anhydrous substance	

Bacteria toxicity

EC5	> 2000	mg/l
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Bacteria toxicity (Components)**sodium acetate trihydrate**

Species	<i>Pseudomonas putida</i>	
EC50	7200	mg/l
Duration of exposure	18 h	
Source	anhydrous substance	

12.2. Persistence and degradability**Biodegradability (Components)****sodium acetate trihydrate**

Value	99	%
Duration of test evaluation	28 d	
Source	Readily biodegradable OECD	

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow	-3.72
Method	calculated

12.4. Mobility in soil**General information**

No data available

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential (Components)****sodium acetate trihydrate**

The Substance doesn't meet PBT/vPvB-criteria

sodium acetate trihydrate

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

12.6. Other adverse effects**General information / ecology**

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

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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

Packaging that cannot be cleaned should be disposed off as product waste.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	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 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

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.