

Trade name: Natrii citras

Substance number: 066040

Version: 3 / CH

Date revised: 01.04.2019

Replaces Version: 2 / CH

Print date: 01.04.19

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

1.1. Product identifier

Natrii citras

Item No. 06604000

Substance / product identification

CAS-No. 6132-04-3

EINECS-No. 200-675-3

INCI Trinatriumcitrat

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

Use of the substance/preparation

Manufacture of cosmetics, food additive, industry

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

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

3.1. Substances

Molecular weight

Value 294.1 g/mol

Other information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

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Remove the casualty into fresh air and keep him calm. 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. Don't use solvents.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

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, Dry powder, Foam, Carbon dioxide

5.2. Special hazards arising from the substance or mixture

Development of toxic gases

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

No special measures required.

Other information

Suppress vapours with water spray jet.

SECTION 6: Accidental release measures**6.3. Methods and material for containment and cleaning up**

When picked up, treat material as prescribed under Section 13 "Disposal". Avoid raising dust. Rinse away with water.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Transfer and handle in enclosed systems is recommended. When filling, transferring, or emptying of containers, adequate suctioning close to work place necessary. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value 10 - 30 °C

Requirements for storage rooms and vessels

Suitable materials: Use glass containers. Use enamelled containers. Use polyethylene or polypropylene containers. Use containers with inside laquer. Suitable material: stainless steel. Unsuitable material: Use aluminium containers. Do not use containers, lines etc. made of copper or copper alloys. Do not use steel containers. Keep container tightly closed and dry.

Further information on storage conditions

Protect from atmospheric moisture and water.

SECTION 8: Exposure controls/personal protection ***

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8.2. Exposure controls

Exposure controls

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

Respiratory protection

At intensive and longer exposition use self-contained breathing apparatus.

Hand protection ***

Protective gloves

Appropriate Material nitrile rubber - NBR

Breakthrough time 8 h

Eye protection

Safety glasses

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Form Granules

Colour colourless

Odour odourless

pH value ***

Value 8.0 to 8.7

Concentration/H₂O 50 g/l

Melting point

Value > 300 °C

Flash point

Value 290 °C

Method closed cup

Solubility in water

Value 160 to 770 g/l

Temperature 25 °C

Auto-ignition temperature

Value > 200 °C

Explosive properties

evaluation Dust

9.2. Other information

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

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Keep away from sources of heat and ignition.

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10.5. Incompatible materials

Oxidising agents, Reducing agents, Bases

10.6. Hazardous decomposition products

None known

SECTION 11: Toxicological information *****11.1. Information on toxicological effects****Acute oral toxicity *****

Species	rat		
LD50	>	8000	mg/kg

Skin corrosion/irritation

evaluation	non-irritant
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Serious eye damage/irritation

evaluation	non-irritant
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Sensitization

Species	guinea pig
Remarks	None

Subacute, subchronic, chronic toxicity ***

Chronic toxicity			
Route of exposure	oral		
Species	rat		
NOAEL		1200	mg/kg
Duration of exposure	2	y	

Mutagenicity

evaluation	No mutagenicity in the Ames-test.
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Reproductive toxicity

Remarks	negative
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Carcinogenicity ***

Species	rat
Remarks	None

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

Species	guppy (Poecilia reticulata)		
LC50	18000	to	32000 mg/l
Duration of exposure	96	h	

Daphnia toxicity ***

Species	Daphnia magna		
EC50	5600	to	10000 mg/l
Duration of exposure	48	h	

Algae toxicity ***

Species	Chlorella vulgaris		
IC50	18000	to	32000 mg/l
Duration of exposure	96	h	

Bacteria toxicity

Species	Pseudomonas putida
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EC50 1800 to 3200 mg/l
Duration of exposure 8 h

12.2. Persistence and degradability**Ready degradability *****

Value 90 %
Duration of test 30 d

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential**

The product contains no PBT or vPvB substances.

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

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID
14.1. UN number	Non-dangerous goods

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 WGK 1
(Germany)

Remarks Classification according to VwVwS

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.