

Trade name: Acid stearicum 50

Substance number: 260180

Version: 5 / CH

Date revised: 12.02.2024

Replaces Version: 4 / CH

Print date: 12.02.24

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

1.1. Product identifier

Acid stearicum 50

Item No. 26018000

Substance / product identification

CAS-No. 67701-03-5

EINECS-No. 266-928-5

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

The product contains no PBT or vPvB substances.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients ***

Further ingredients ***

Fatty acids, C16-18

CAS No. 67701-03-5

EINECS no. 266-928-5

Registration no. 01-2119543709-29-XXXX

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures ***

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4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately.

After inhalation

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

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Rinse mouth thoroughly with water. In the event of symptoms take medical treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

ABC powder, Dry powder, Foam, Carbon dioxide, Dry sand, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

The product is combustible. In the event of fire the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Forms explosive mixture with air are possible.

5.3. Advice for firefighters

Other information

Do not inhale explosions- and combustion gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away unprotected persons. Use personal protective clothing. Keep away from sources of ignition - No smoking. High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

High risk of slipping due to leakage/spillage of product. Allow to set, pick up mechanically. Take up mechanically and collect in suitable container for disposal. Clean up affected area. Rinse away rest with plenty of water.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Keep away from heat and sources of ignition. Avoid contact with skin and

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eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a well-ventilated place. Use glass containers. Suitable material: stainless steel. Use aluminium containers.

Hints on storage assembly

Do not store together with: Acids, Alkalis

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

Further information on storage conditions

Protect from direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Derived No/Minimal Effect Levels (DNEL/DMEL)

Fatty acids, C16-18

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	10	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	17.632	mg/m ³

8.2. Exposure controls

General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. General industrial hygiene practice. Keep away from sources of ignition.

Respiratory protection

Not necessary.

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

Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses

Body protection

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Protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid		
Colour	white		
Odour	characteristic		
Melting point			
Value	appr.	56	°C
Freezing point			
Value	appr.	56	°C
Boiling point or initial boiling point and boiling range			
Value	>	250	°C
Flash point			
Value	appr.	200	°C
Method	ASTM D 92		
pH value			
Value	<	7	
Viscosity			
Value	appr.	12	mm ² /s
Temperature		70	°C
Solubility(ies)			
Remarks	soluble in most organic solvents		
Partition coefficient n-octanol/water (log value)			
log Pow	>	5	
Vapour pressure			
Value	<	0.01	hPa
Temperature		20	°C
Density and/or relative density			
Value		0.85	to 0.9 g/cm ³
Temperature		20	°C

9.2. Other information

Solubility in water

Value	<	0.05	g/l
Temperature		25	°C
Remarks	insoluble		

Auto-ignition temperature

Value	appr.	400	°C
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Other information

The product is capable of dust explosions.

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

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

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10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Fatty acids, C16-18**

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

Acute dermal toxicity (Components)**Fatty acids, C16-18**

Species	rabbit		
LD50	>	2000	mg/kg

Acute inhalative toxicity (Components)**Fatty acids, C16-18**

Species	rat		
LC50	>	0.1621	mg/l
Duration of exposure	4	h	

Mutagenicity

Remarks Not documented.

Carcinogenicity

Remarks No evidence available on carcinogenicity.

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

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information**12.1. Toxicity****Daphnia toxicity (Components)****Fatty acids, C16-18**

Species	Daphnia magna		
NOEC	>	0.22	mg/l
Method	OECD 211		

Fatty acids, C16-18

Species	Daphnia magna		
EC50	>	4.8	mg/l
Method	OECD 201		

12.2. Persistence and degradability

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Biodegradability (Components)**Fatty acids, C16-18**

Value	>	90	%
Duration of test		28	d
Method		OECD 301	

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow	>	5
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12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

The Substance does not meet PBT-criteria.
This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

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

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

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	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)	Not water hazardous
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Supplemental information**

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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.