

Trade name: Chinini sulfas

Substance number: 062664

Version: 3 / CH

Date revised: 08.06.2021

Replaces Version: 2 / CH

Print date: 08.06.21

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

1.1. Product identifier

Chinini sulfas

Item No. 06266400

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

Use of the substance/preparation

Active pharmaceutical substance, food additive, Chemical for synthesis, Reagent for analyses

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)

Acute Tox. 4 H302

Skin Sens. 1A H317

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

Warning

Hazard statements ***

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

Precautionary statements ***

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264.1 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P330 Rinse mouth.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate**

CAS No.	6119-70-6		
EINECS no.	639-128-2		
Concentration	>=	50	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4		H302
	Skin Sens. 1A		H317

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.

After skin contact

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

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. By continuous complaints consult a physician.

After ingestion

Rinse out mouth and give plenty of water to drink. Induce vomiting if patient is conscious, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

At potential poisoning medical treatment is absolute necessary.

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

Water spray jet, Foam, Carbon dioxide, Dry powder, Water mist

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x)

5.3. Advice for firefighters

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Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes and skin. Wear protective equipment. Avoid dust formation.

6.2. Environmental precautions

Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Pick up mechanically. Rinse away rest with water.

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

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

Avoid dust formation. Avoid contact with skin, eyes and clothing. Wear protective equipment

Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Take action to prevent static discharges. Keep away from sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed and dry.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

Further information on storage conditions

Protect from light.

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

Remove contaminated, soaked clothing immediately and dispose of safely. Take a shower after work finish. Use barrier skin cream.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

Hand protection

necessary

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Appropriate Material Natural Latex
 Appropriate Material nitrile rubber - NBR
 The breakthrough time must be greater than the end use time of the product.
 Appropriate Material Butyl rubber - Butyl
 Material thickness 0.4 mm
 Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Tightly fitting safety glasses; Eye protection must comply with EN 166.

Body protection

Personnel should wear protective clothing.

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

Form	Powder		
Colour	white		
Odour	odourless		
Colour	almost white		
pH value			
Value	5.7	to	6.6
Concentration/H ₂ O	1.2	g/l	
Melting point			
Value	212		°C
Initial boiling point and boiling range			
Remarks	No data available		
Flash point			
Value	°C		
Remarks	Not applicable		
Upper/lower flammability or explosive limits			
Remarks	No data available		
Vapour pressure			
Remarks	No data available		
Solubility in water			
Value	1.23		g/l
Temperature	25	°C	
Value	28.6		g/l
Temperature	100	°C	
Solubility(ies)			
Ethanol			
Value	8.3		%
Temperature	25	°C	
Remarks	easily soluble		
Ignition temperature			
Value	400		°C
Viscosity			
Remarks	No data available		
Oxidising properties			
Remarks	Not applicable		

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9.2. Other information**Other information**

The product is not dangerous for explosions. Forms explosive mixture with air are possible.

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

Protect from direct sunlight. Heat

10.5. Incompatible materials

Oxidising agents

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, nitrous oxides (NO_x)

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

ATE	455.8	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

Species	rat	
LD50	455.8	mg/kg

Skin corrosion/irritation (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

evaluation	non-irritant
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Serious eye damage/irritation (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

evaluation	non-irritant
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Sensitization (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

evaluation	May cause allergic skin reactions.
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Subacute, subchronic, chronic toxicity

Remarks	Not documented.
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Experience in practice

May cause allergic reactions by inhalation.

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SECTION 12: Ecological information ***

12.1. Toxicity

Fish toxicity (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

Species	zebra fish (<i>Brachydanio rerio</i>)		
LC50	562.4		mg/l
Duration of exposure	96	h	

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

Species	Ictalurus punctatus		
LC50	34		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

Species	Daphnia magna		
EC50	44.8		mg/l
Duration of exposure	24	h	

Algae toxicity (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

ErC50	14.5		mg/l
Duration of exposure	72	h	

12.2. Persistence and degradability

Biodegradability (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

Value	86.3		%
Duration of test evaluation	28	d	
Method	Readily biodegradable OECD 301 B		

12.3. Bioaccumulative potential

Octanol/water partition coefficient (log Pow) (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

log Pow	5.4
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Bioconcentration factor (BCF) (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

BCF	10
log BCF	5.4

12.4. Mobility in soil

General information

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment

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Evaluation of persistence and bioaccumulation potential (Components)

Bis-(R)-[(2S,4S,5R)-5-ethenyl-1-azabicyclo[2.2.2]oct-2-yl] (6-methoxyquinolin-4-yl)methanol sulfate dihydrate

The Substance doesn't meets PBT/vPvB-criteria

12.6. Other adverse effects

General information / ecology

Ecological injuries are not known or expected under normal use.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Incineration in suitable incineration plant, observing local authority regulations.

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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 3

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4
Skin Sens. 1A Skin sensitization, Category 1A

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.