



Trade name: Piperazini citras

Substance number: 067272

Version: 2 / CH

Date revised: 24.05.12

Replaces Version: 1 / CH

Date of printing: 24.05.12

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

1.1. Product identifier

Piperazini citras

Item-No.

06727200

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

Use of the substance/preparation

Medicinal product, Chemical for synthesis

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)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

STOT SE 3 H335

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal Word ***

Warning

Hazard statements ***

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.



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Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

Hazard symbols



Irritant

R phrases

36/37/38

Irritating to eyes, respiratory system and skin.

S phrases

26

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

2.3. Other hazards

The product does not require a hazard warning label in accordance with Directive 67/548/EC

3. Composition/information on ingredients

Substance / product identification

CAS-Nr. 144-29-6

EINECS-Nr. 205-622-8

Other information

Educts are listed in EINECS

4. First aid measures

4.1. Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

After inhalation

Remove the casualty into fresh air and keep him calm. Rinse mouth thoroughly with water. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off immediately with plenty of water.

After eye contact

In case of contact with eyes rinse thoroughly with water.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let plenty of water be drunk in small gulps. Call in a physician immediately and show him the Safety Data Sheet.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide



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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); Nitrous gases (NO_x)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale dust. Avoid contact with skin, eyes and clothing.

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.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Prevent unauthorized access.

Further information on storage conditions

Keep container tightly closed, cool and dry.

8. Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Observe the usual precautions when handling chemicals.

Respiratory protection

necessary

Hand protection

Gloves

Eye protection

necessary

Body protection

necessary

9. Physical and chemical properties



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9.1. Information on basic physical and chemical properties

Form	Powder		
Colour	beige		
Boiling point			
Value	>	190	
Flash point			
Value	>	190	
Vapour pressure			
Value		0.26	kPa
Temperature		20	°C
Solubility in water			
Remarks	soluble		

10. Stability and reactivity

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

nitrous oxides (NO_x), Carbon monoxide and carbon dioxide

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50		4502	mg/kg

Serious eye damage/irritation

valuation slightly irritant

Subacute, subchronic, chronic toxicity

Remarks Prolonged skin contact may cause skin irritation.
 Remarks Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Experience in practice

Inhalation of dusts may irritate the respiratory tract. May cause nausea/ vomiting/ asthma.

12. Ecological information

12.1. Toxicity

Fish toxicity

Reference substance	Piperazine [liquid]		
Species	guppy (Poecilia reticulata)		
LC50	>	100	mg/l
Duration of exposure		96	h

Daphnia toxicity

Reference substance	Piperazine [liquid]		
Species	Daphnia magna		



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EC50	10	to	100	mg/l
Duration of exposure	48	h		

Algae toxicity

Reference substance	Piperazine [liquid]			
Species	Selenastrum capricornutum			
EC50	>	1000		mg/l
Duration of exposure	72	h		

Bacteria toxicity

Reference substance	Piperazine [liquid]			
Species	Pseudomonas putida			
EC50	>	1000		mg/l
Duration of exposure	2	h		

12.2. Persistence and degradability**Biodegradability**

valuation biodegradable

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.

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.

Air transport ICAO/IATA

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

15. Regulatory information**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.