



Trade name: Fentanili citras

Substance number: 052500

Version: 2 / CH

Date revised: 27.04.10

Replaces Version: 1 / CH

Date of printing: 27.04.12

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

1.1. Product identifier

Fentanili citras

Item-No. 05250002

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)

Acute Tox. 2 H300

Acute Tox. 2 H330

Classification in accordance with EC directives

Classification T+, R26/28

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H300 Fatal if swallowed.

H330 Fatal if inhaled.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P270 Do not eat, drink or smoke when using this product.

P284 Wear respiratory protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501.1 Dispose of contents/container to be taken to an authorised special waste incineration plant.

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



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The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Very toxic

R phrases

26/28 Very toxic by inhalation and if swallowed.

S phrases ***

28.2 After contact with skin, wash immediately with plenty of water and soap.
 36/37 Wear suitable protective clothing and gloves.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains *** Fentanyl dihydrogen citrate

3. Composition/information on ingredients *****Molecular weight**

Value 528.66

Hazardous ingredients *****Fentanyl dihydrogen citrate**

CAS No. 990-73-8

EINECS no. 213-588-0

Concentration >= 50 %

4. First aid measures**4.1. Description of first aid measures****General information**

Seek medical advice immediately. In any case show the physician the Safety Data Sheet. Remove contaminated, soaked clothing immediately and dispose of safely. Prompt medical attention is required no matter what the possible route of entry has been. Spillage on the skin or splashes in the eyes or mouth should be treated immediately by washing with copious amounts of water. the product is highly potent and rapid acting. Minute amounts can cause serious effects leading to coma and death. It is advisable to inject an antagonist, preferably Naloxone (Narcan) if collapse has occurred following contamination of skin or mucous membranes. A qualified medical person must be available to administer the Naloxone antidote if ever required.

After inhalation

Remove the casualty into fresh air and keep him calm. If necessary, give oxygen. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well. Summon a doctor immediately.

After eye contact

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



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After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

The following symptoms may occur: Dizziness, Disorientation, Headache, Dazyness, Vomiting, Nausea, Unconsciousness

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

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Water, Carbon dioxide, Dry chemical extinguisher

5.2. Special hazards arising from the substance or mixture

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

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

Wear full protective suit. Use self-contained breathing apparatus.

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

Keep people away and stay on the upwind side. Use personal protective clothing.

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

Pick up mechanically. Avoid raising dust. Cleaning operations should be carried out only with breathing apparatus. Dispose of absorbed material in accordance with the regulations. Clean contaminated surfaces thoroughly with water. Suitable industrial vacuum cleaners or central exhaust ventilation equipment must be used for taking up dust (with a suitable filter to prevent particles blowing back into the atmosphere e.g. Type H(BS5415)).

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. Dust deposits that cannot be avoided must be taken up regularly. Suitable industrial vacuum cleaners or central exhaust ventilation equipment must be used for taking up dust. Provide suitable exhaust ventilation at processing machines.

Advice on protection against fire and explosion

The product is not combustible, however it supports combustion.

7.2. Conditions for safe storage, including any incompatibilities**Further information on storage conditions**

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully. Keep under lock and key or accessible only to specialists or people who are authorized.



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8. Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Avoid contact with eyes and skin. Clean skin thoroughly after work; apply skin cream. Do not inhale dust. Observe the usual precautions when handling chemicals.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere.

Hand protection

Appropriate Material rubber

Eye protection

Safety glasses

Body protection

Wear disposal (one-way) overall; impermeable protective overalls; antistatic boots

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Crystalline powder
Colour	white
Odour	not applicable
pH	
Remarks	Not applicable
Melting point	
Value	147 to 152 °C
Source	Safety Data Sheet Supplier
Boiling point	
Remarks	Not applicable
Flash point	
Value	°C
Remarks	Not applicable
Vapour pressure	
Remarks	Not applicable
Density	
Remarks	Not determined
Solubility in water	
Value	1.4 g/l
Octanol/water partition coefficient (log Pow)	
log Pow	to 8.4
Ignition temperature	
Value	< 400 to 420 °C

9.2. Other information

Other information

The product is not dangerous for explosions.



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10. Stability and reactivity

10.5. Incompatible materials

thiopental sodium

10.6. Hazardous decomposition products

nitrogen, Carbon monoxide and carbon dioxide

Other information

chemical stable

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50		18	mg/kg
Species	mouse		
LD50		368	mg/kg

Skin corrosion/irritation

Remarks Irritating to skin.

Serious eye damage/irritation

Remarks Irritates the eyes.

Sensitization

Remarks Sensitisation possible through inhalation.

Mutagenicity

Remarks Not documented.

Reproduction toxicity

Remarks Not documented.

Carcinogenicity

Remarks Not documented.

Experience in practice

Can be absorbed through broken skin.

12. Ecological information

12.3. Bioaccumulative potential

Octanol/water partition coefficient (log Pow)

log Pow to 8.4

12.6. Other adverse effects

General information / ecology

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Ecological data are not available.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

In accordance with regulations for special waste, must be taken, to an authorised special waste



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incineration plant.

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information *****Land transport ADR/RID *******14.1. UN number**

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

Danger releasing substance

Fentanyl dihydrogen citrate

14.3. Transport hazard class(es)

Class

6.1

Label

6.1

14.4. Packing group

Packing group

II

Marine transport IMDG/GGVSee *****14.1. UN number**

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

Danger releasing substance

Fentanyl dihydrogen citrate

14.3. Transport hazard class(es)

Class

6.1

14.4. Packing group

Packing group

II

Air transport ICAO/IATA *****14.1. UN number**

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

Danger releasing substance

Fentanyl dihydrogen citrate

14.3. Transport hazard class(es)

Class

6.1

14.4. Packing group

Packing group

II

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.