

Trade name: Furosemidum

Date revised: 29.01.09

Substance number: 063848

Version: 1 / CH

Date of printing: 09.02.10

01. Identification of the substance/preparation and of the company/undertaking

Trade name

Furosemidum

Use of the substance/preparation

Active pharmaceutical substance

Company/undertaking identification

Address

Hänseler AG

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9101 Herisau

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telephone

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02. Hazards identification

Classification

Classification Carc.Cat.3

Hazard symbols

Xn Harmful

R phrases

20/21 Harmful by inhalation and in contact with skin.

40 Limited evidence of a carcinogenic effect.

03. Composition / information on ingredients

Substance / product identification

CAS-Nr. 54-31-9

EINECS-Nr. 200-203-6

Chemical characterization

Furosemidum

Hazardous ingredients

04. First aid measures

General information

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

After inhalation

Remove the casualty into fresh air and keep him calm. Seek medical advice immediately.

After skin contact

In case of contact with skin wash off immediately with plenty of water. Take for medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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Hints for the physician / symptoms

When inhaled or swallowed depending on the time and amount, it can give rise to the following symptoms: Heart beat disturbance, erratic mood swings, Muscle cramps or pains, Nausea, Vomiting, Tiredness, Weakness, Weak pulse

05. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Special protective equipment for fire-fighting

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

06. Accidental release measures

Personal precautions

Wear protective equipment. Keep away unprotected persons.

Environmental precautions

Knock down dust with water spray jet. No special measures required.

Methods for cleaning up

Take up mechanically and collect in suitable container for disposal. Dispose of absorbed material in accordance with the regulations. Ensure adequate ventilation.

07. Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation.

Advice on protection against fire and explosion

Take precautionary measures against static charges.

Storage

Requirements for storage rooms and vessels

No special requirements.

Hints on storage assembly

Not required.

Further information on storage conditions

Keep container tightly closed. Protect from light. Keep container in a well-ventilated place.

08. Expose controls/personal protection

Exposure controls

See chapter 7. No measures exceeding the ones mentioned are necessary.

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. At work do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Remove contaminated, soaked clothing immediately and dispose of safely.

Occupational exposure controls

Respiratory protection

Short term: filter apparatus; At intensive and longer exposition use self-contained breathing apparatus.
Short term: filter apparatus, Filter P3

Hand protection



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Protective gloves
Appropriate Material rubber

Eye protection

Safety glasses

Skin protection

Protective clothing

09. Physical and chemical properties**General information**

Form Crystalline powder
Colour whitish
Odour characteristic

Important health, safety and environmental information**Flash point**

Value °C

Remarks not applicable

Boiling point

Remarks not determined

Melting point

Value 206 °C

Density

Value 0.5 to 0.6 g/cm³
temperature 20 °C

Solubility in water

Remarks insoluble

Solubility in

Acetone
Remarks soluble

Ethanol
Remarks partly soluble

10. Stability and reactivity**Conditions to avoid**

To avoid thermal decomposition, do not overheat. If product is heated above decomposition temperature toxic vapours may be released. Protect from light and atmospheric moisture.

Materials to avoid

Strong oxidising agents

Hazardous decomposition products

Hydrogen chloride (HCl), Carbon monoxide and carbon dioxide, nitrous oxides (NO_x), Sulphur dioxide,
Toxic gases/vapours

Thermal decomposition

Value 210 °C

11. Toxicological information**Acute toxicity / further data****Acute oral toxicity**

Species rat
LD50 2600 mg/kg



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Irritant/corrosive effects**Irritant effect on skin**

Remarks Irritating effects on the skin and mucous membrane.

Irritant effect on eyes

Remarks Irritates the eyes.

Sensitization

Remarks Sensitisation possible through inhalation.

Remarks Possibility of sensitization through skin contact.

Effects after repeated or prolonged exposition (subacute, subchronic, cronic)**Carcinogenicity**

Remarks Suspicion about carcinogenic effect.

Other information

Persons with kidney or liver trouble or diabetes should avoid contact.

CMR-effects (carcinogenic, genetic damage and reproductive endanger)

Carc. Cat. 3

12. Ecological information**General information / ecology**

Ecological data are not available.

13. Disposal considerations**Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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**Hazard symbols**

Xn Harmful

Hazardous component(s) to be indicated on label**R phrases**

20/21 Harmful by inhalation and in contact with skin.

40 Limited evidence of a carcinogenic effect.

S phrases

22 Do not breathe dust.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

National regulations

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Water Hazard Class (Ger.)

No data available.

16. Other information

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.