


<p>Page 1 of 5</p> <p>Print Date 26.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Amifampridin, API (3,4-Diaminopyridin)</p>	 <p>Revision Date 26.11.2018</p>
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1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 6050**

· **Product name:**

Amifampridin, API (3,4-Diaminopyridin) **Amifampridinum**

· **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH

Herderstr. 31

40721 Hilden

Tel.: 02103/4994-0

Fax: 02103/32360

e-mail: info@caelo.de

· **Emergency telephone:**

Giftinformationszentrum Mainz

Langenbeckstr. 1, 55131 Mainz

Tel.: 06131/19240

· **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

· **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Danger

· **H-Phrases:**

H300 Fatal if swallowed

H311 Toxic in contact with skin

H315 Causes skin irritation

H319 Causes serious eye irritation

H330 Fatal if inhaled

H335 May cause respiratory irritation

· **P-Phrases:**

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

P264 Wash thoroughly after handling


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

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician

P305 IF IN EYES

P351 Rinse continuously with water for several minutes

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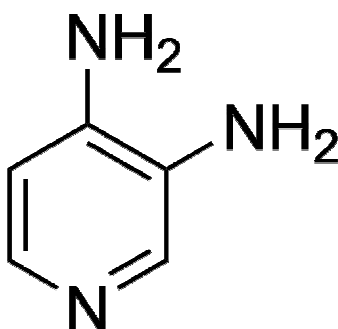
Acute Tox. 2 (oral, inhal.)
Acute Tox. 3 (dermal)
Skin Irrit. 2
Eye Irrit. 2
STOT SE 3

3 Composition / information on ingredients

CAS-No. Substance name

54-96-6 Amifampridin

- **EINECS-No.:** 200-220-9
- **REACH Reg. No.:** (pre-registered)
- **INCI-Name:** -
- **Chemical characterization:**




4 First aid measures

- **General advices:** Take off contaminated clothes immediately. Remove respiratory protection not before removal of contaminated clothings. Give oxygen if irregular breathing or apnoea is observed.
- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **after skin contact:** Wash away with water and soap immediately and rinse off. Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open , seek medical advice, even if no immediate symptoms are observed.
- **after swallowing:** Do not induce vomiting, get medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible but not flammable. In case of fire dangerous gases / vapours can be released: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

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6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:**
- **Advice on safe handling:** Ensure good ventilation/exhaustion at the workplace. Handling corresponding to laboratory safety guidelines. Handle and open containers cautiously.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a cool and dry place. Store only in original containers. Accessible only for professional persons.

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**
Keep away from food, beverages and animal food.
Take off contaminated clothes immediately.
Wash hands before breaks and after work.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses


9 Physical and chemical properties

- **Form:** solid
- **Colour:** light brown
- **Odour:** odourless
- **Melting point / melting range:** 216 - 218 °C
- **Decomposition temperature:** not determined
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 30 g/l
- **pH-range:** (20 g/l, 20 °C) ca. 4

10 Stability and reactivity

- **Hazardous decomposition products:**
At high temperatures irritant or harmful vapours are released.

11 Toxicological information

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· **Acute toxicity:**

LD/LD50-data relevant for hazard classification:

Oral LD50 47 mg/kg (rat)

Dermal LD50 > 200 mg/kg (rab)

Inhal. LC50/4 h 0,10 mg/l (rat)

· **Primary irritant effect:**

On eyes:irritant.

On skin: irritant.

On respiratory organs: irritant.

· **Additional toxicological informations:** Danger of skin resorption.

12 Ecological information

· **Aquatic toxicity:** Quantitative data are not available.

· **Log pOW:** -1,03

Bioaccumulation is not likely.

· **PBT / vPvB:** Not applicable.

· **Water hazard class:** 3 (VwVwS): very hazardous for water.

· **General advices:** Prevent from leaking into ground water, environment waters or drainage, even not in small quantities. Danger for drinking water even if smallest quantities are penetrating into soil.

13 Disposal considerations

· **Product:**

· **Recommendation:** Disposal according to local regulations as pharmaceutical waste.

· **Empty contaminated packaging:**

· **Recommendation:** Disposal according to the local regulations.

14 Transport informations

· **Land transport according to ADR:**

· **Proper shipping name:** Toxic solids, organic,n.o.s.,Diaminopyridin

· **Class:** 6.1

· **UN-number:** 2811

· **Packing group:** II

· **Classification code:** T2

· **Limited quantities (Table 3.4.6. ADR):** 1 kg

· **Hazard classification number:** 60

· **Special provisions (Chapter 3.3 ADR):** -

· **Additional informations for sea transport IMDG:**


· **EMS-No.:** F-A, S-A

· **Properties:** -

15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

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- **Signal word:** Danger
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 - P305 IF IN EYES
 - P351 Rinse continuously with water for several minutes
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 6.1A

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.