

Trade name: Fampridin

Substance number: 063480

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

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

1.1. Product identifier

Fampridin

Item No. 06348000

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. 2 H300

Skin Irrit. 2 H315

Eye Irrit. 2 H319

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

Danger

Hazard statements

H300	Fatal if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P309	IF exposed or if you feel unwell:
P310	Immediately call a POISON CENTER or doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Trade name: Fampridin

Substance number: 063480

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

P501.3 Disposal in compliance with local and national regulations.

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

contains 4-pyridylamine

Supplemental information**Other information**

Not for supply to the general public in Switzerland

SECTION 3: Composition/information on ingredients**Hazardous ingredients****4-pyridylamine**

CAS No. 504-24-5

EINECS no. 207-987-9

Concentration \geq 50 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 2 H300

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Route of exposure: oral

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

Remove to fresh air, keep patient warm and at rest. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice. Summon a doctor immediately.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Wash skin thoroughly with water (15 min.). Summon a doctor immediately. Remove contaminated clothing.

After eye contact

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

After ingestion

Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious place in recovery position (on left side, with head down). Rinse mouth thoroughly with water.

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

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguish greater fire with water spray or alcohol-resistant foam.**Non suitable extinguishing media**

not be used for safety reasons: Full water jet

5.2. Special hazards arising from the substance or mixtureForms explosive mixture with air are possible. In case of combustion evolution of dangerous gases possible. Carbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x)

Trade name: Fampridin

Substance number: 063480

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus. Cool closed containers exposed to fire with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale dust. Use personal protective clothing. Do not inhale vapours. Remove persons to safety. Refer to protective measures listed in Sections 7 and 8. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Take up mechanically and collect in suitable container for disposal. Provide adequate ventilation.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Avoid development of dusts/ billows/ steams. Do not inhale dust. For personal protection see Section 8. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Use only explosion-proof equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage stability

Store at room temperature.

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated.

Further information on storage conditions

Protect from sun.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Avoid any contact with the body. Wash hands and face after work. Take off immediately all contaminated clothing. Provide adequate ventilation. Hold eye wash fountain available. Hold emergency shower available.

Respiratory protection

Self-contained breathing apparatus. Provide good ventilation of working area (local exhaust ventilation if necessary). Full mask; Particle filter P3; EN 143

Hand protection

nitrile rubber - NBR

Appropriate Material

nitrile rubber - NBR

Trade name: Fampridin

Substance number: 063480

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

Material thickness	0.11	mm
Breakthrough time	480	min

Eye protection

Tightly fitting safety glasses; Face shield

Body protection

Personnel should wear protective clothing. Impermeable protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

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

Form	solid		
Colour	beige		
Odour	unpleasant		
Melting point			
Value	157	to	160 °C
Initial boiling point and boiling range			
Value	274	°C	
Flash point			
Value	156	°C	
Density			
Value	1.26	g/cm ³	
Solubility in water			
Value	83	g/l	
Temperature	20	°C	
Partition coefficient: n-octanol/water			
log Pow	0.32		

SECTION 10: Stability and reactivity**10.1. Reactivity**

Danger of dust explosion

10.2. Chemical stability

Protect from light.

10.3. Possibility of hazardous reactions

Aldehydes. Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

Heat

10.6. Hazardous decomposition productsExothermic decomposition, Carbon monoxide, Carbon dioxide, nitrous oxides (NO_x)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

ATE	21	mg/kg
-----	----	-------

Trade name: Fampridin

Substance number: 063480

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)**4-pyridylamine**

Species	rat		
LD50	21		mg/kg

Skin corrosion/irritation

evaluation	irritant effect possible
------------	--------------------------

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****4-pyridylamine**

Species	Bluegill (<i>Lepomis macrochirus</i>)		
LC50	2.8		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)**4-pyridylamine**

Species	Daphnia magna		
EC50	3.2		mg/l
Duration of exposure	48	h	

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow	0.32
---------	------

SECTION 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.

SECTION 14: Transport information

Trade name: Fampridin




Substance number: 063480

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	2671	2671	2671
14.2. UN proper shipping name	AMINOPYRIDINES	AMINOPYRIDINES	AMINOPYRIDINES
14.3. Transport hazard class(es)	6.1	6.1	6.1
Label			
14.4. Packing group	II	II	II
Limited Quantity	500 g		
Transport category	2		

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 Classification according to Annex 4 VwVwS

SECTION 16: Other information

Hazard statements listed in Chapter 3

H300 Fatal if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

CLP categories listed in Chapter 3

Acute Tox. 2 Acute toxicity, Category 2
Eye Irrit. 2 Eye irritation, Category 2
Skin Irrit. 2 Skin irritation, Category 2

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.