

Trade name: Arginini hydrochloridum

Date revised: 04.06.09

Dangerous substance number: 061485

Version: 1 / CH

Date of printing: 04.06.09

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

Trade name

Arginini hydrochloridum

Item-No. 06148500

Use of the substance/preparation

amino acid

Company/undertaking identification

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

Emergency 0041 (0)44 251 51 51

telephone

02. Hazards identification

Specific hazards to man and the environment

No special hazards have to be mentioned.

03. Composition / information on ingredients

CAS-Nr. 1119-34-2

EINECS-Nr. 214-275-1

04. First aid measures

General information

Adhere to personal protective measures when giving first aid.. Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air.. If necessary, give oxygen. Take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well.. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).. Eye treatment by an Oculist.

After ingestion

Rinse mouth thoroughly with water.. By continuous complaints consult a physician.

05. Fire-fighting measures

Suitable extinguishing media

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

Non Suitable extinguishing media

Full water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Development of toxic gases; In the event of fire the following can be released:; Nitrogen oxides (NOx);

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Carbon monoxide (CO); Carbon dioxide (CO₂)

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

06. Accidental release measures**Personal precautions**

Keep away sources of ignition.. Avoid dust formation.. Use personal protective clothing.. Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Pick up mechanically.. Send in suitable containers for recovery or disposal.

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

Dust can form an explosive mixture with air.. Keep away from sources of ignition - refrain from smoking.. Take precautionary measures against static charges.

Storage**Requirements for storage rooms and vessels**

Keep in a cool place.

Hints on storage assembly

Not required.

Further information on storage conditions

Protect from light.. Keep container tightly closed and dry in a cool, 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

Observe the usual precautions when handling chemicals. At work do not eat, drink, smoke or take drugs. Do not inhale dust/fumes/mist. Avoid contact with eyes and skin. Keep away from food-stuffs, beverages and feed-stocks.

Occupational exposure controls**Respiratory protection**

If ventilation insufficient, use a respiratory protection apparatus.; Short term: filter apparatus, Filter P3

Hand protection

Appropriate Material
Appropriate Material

Gloves / resistant to chemicals
The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Not suitable
Leather gloves
Gloves of thick material



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Eye protection

Safety glasses

Skin protection

protective overalls

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

Form	crystalline
Colour	white
Odour	odourless

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

Remarks not applicable

Boiling point

Remarks not determined

Melting point

Value 218 to 220 °C

Density

Remarks not determined

Bulk density

Value	1250		kg/m ³
temperature	20	°C	

Solubility in water

Value	900		g/l
temperature	25	°C	

pH

Value	5.7		
Concentration/H ₂ O	200	g/l	
temperature	20	°C	

Solvent content

Value 0.00 %

Flammability :

Not ignitable

The product is not dangerous for explosions.

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

No decomposition if stored and applied as directed.

Hazardous decomposition products

No hazardous decomposition products known when handled according to prescribed instructions.

Other information

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

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

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Acute oral toxicity

Species	rat		
LD50		12000	mg/kg

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

Remarks No effect of irritation known.

Sensitization

Remarks No sensitisation effect known.

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

Product is slightly hazardous to water.. 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**Disposal recommendations for the product**

In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste disposal site.

EWC waste code 07 05 99 wastes not otherwise specified

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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**Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives/GefStoff V

Hazardous component(s) to be indicated on label**Water Hazard Class (Ger.)**Water Hazard Class WGK 1
(Ger.)**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.