

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 04 Dec 2023

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product name:

3-Aminopropanamide hydrochloride

### 1.1. Catalog No.:

689458

### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

## 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture  
Physical Hazards  
not classified  
Health Hazards  
not classified  
Environmental Hazards  
not classified

### 2.2. Label elements

#### 2.2.1. Pictogram

#### 2.2.2.

not classified

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance related information  
beta-Alanine amide HCl  
Substance name  
b-Ala-NH<sub>2</sub>·HCl; 3-Aminopropionamide HCl  
Synonyms  
[64017-81-8]

Cas No.  
Formula  
C3H8N2O·HCl

### 3.1.1. Formula

C3H9CIN2O

### 3.1.2. Molecular Weight (g/mol)

124.57

### 3.1.3. CAS-No.

64017-81-8

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

#### First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

#### First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

#### Hints for Physician: Symptoms

See Section 11 for additional information on health hazards

### 4.3 Indication of any immediate medical attention and special treatment needed

#### First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

#### Hints for Physician: Treatment

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

#### Suitable

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

### 5.2 Special hazards arising from the substance or mixture

Wear a self-contained breathing apparatus and chemical protective clothing.

### Hazards During Fire-Fighting

toxic fumes

### 5.3 Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, protective equipment and emergency procedures

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

### 6.2 Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

### 6.3 Methods and material for containment and cleaning up

not available

### 6.4 Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage temperature

store at 2°C - 8°C

#### Storage Requirements

Keep away from incompatible substances. Keep container tightly closed when not in use.

### 7.3 Specific end use(s)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure limit values  
Does not contain any substances with occupational exposure limits.
- 8.2 Exposure controls  
Industrial Hygiene  
Mechanical exhaust required. Safety shower and eye shower
- 8.3 Personal Protective Equipment  
Respiratory Protection  
Wear NIOSH/MSHA or European Standard EN 149 approved respirator.
- Hand Protection  
Wear compatible chemical-resistant gloves to prevent skin exposure.
- Eye Protection  
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.
- Body Protection  
Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.
- Advice on Safe Handling  
Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic Physical and chemical color properties  
Color  
white  
Form  
powder
- 9.2 Other information  
Molar Mass  
124,57 g/mol

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity  
No Data Available
- 10.2 Chemical stability  
No Data Available
- 10.3 Possibility of hazardous reaction  
No Data Available
- 10.4 Conditions to Avoid (SDS)  
incompatible materials
- 10.5 Incompatible materials  
strong oxidizers
- 10.6 Hazardous decomposition products  
nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), hydrogen chloride (HCl), carbon monoxide

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects  
Other Relevant Toxicity Information  
We are not aware of any toxicology data

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity  
Acute toxicity versus Fishing: No data available  
Acute toxicity in aquatic plants: No data available  
Acute toxicity versus Daphnia and others aquatic invertebrates: No data available
- 12.2 Persistence and degradability  
Remarks : no data available
- 12.3 Bioaccumulative potential  
Remarks : no data available
- 12.4 Mobility in soil  
no data available
- 12.5 Results of PBT and vPvB assessment  
no data available
- 12.6 Other adverse effects  
no data available

## 13. DISPOSAL CONSIDERATIONS

- Advice on Disposal and Packaging  
Advice on Disposal  
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.
- Advice on Packaging

not available

#### 14. TRANSPORT INFORMATION

Transport information

- 14.1 UN-Nummer: Not Dangerous Goods
- 14.2 Ordnungsgemäße UN-Versandbezeichnung: Not Dangerous Goods
- 14.3 Transportgefahrenklassen: Not Dangerous Goods
- 14.4 Verpackungsgruppe: Not Dangerous Goods
- 14.5 Umweltgefahrenklassen: Not Dangerous Goods
- 14.6 Tunnel code: Not applicable
- 14.7 Transport in bulk according to Annex 11 of MARPOL and the IBC code: Not applicable

#### 15. REGULATORY INFORMATION

15 Other regulations

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
not available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

#### 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!