

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCAA-001

Trade name: 4-Azido-L-phenylalanine

Version 7.0

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Revision date: 10.10.2019



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

### 1.1. Product identifiers

Product Name: 4-Azido-L-phenylalanine

Formal name: p-Azido-phenylalanine

Product number: BCAA-001

CAS-Nr.: 33173-53-4

Index No.: not available

EC No: not available

REACH No: not available

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses:

Laboratory chemical, for research and development only

### 1.3. Details of the supplier of the safety data sheet

baseclick GmbH

Floriansbogen 2-4

82061 Neuried

Germany

Telephone: +49 89 9699 3401

Fax: +49 9699 4696

E-mail: [support@baseclick.eu](mailto:support@baseclick.eu)

### 1.4. Emergency telephone number

+49 89 9699 3401 (Working days Germany 09:00 AM – 05:00 PM CET)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

not required

### 2.3. Other hazards

This substance does not meet the criteria for classification as PBT or vPvB.

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## SECTION 3: Composition/information on ingredients

### 3.1 Substance(s)

Formula:  $C_9H_{10}N_4O_2$

MW: 206.2 g/mol

Purity:  $\geq 98\%$  (HPLC)

Description: white to off-white powder

Enantiomeric purity:  $\leq 0,5\%$  of D-enantiomer

TLV units: Unknown

CAS-No.: 33173-53-4

### 3.2 Mixtures

n.r.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes:

Avoid all direct contact.

Always contact physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

Move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In case of ingestion:

Contact physician. Do NOT induce vomiting. Rinse mouth with water. Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.



### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Water, alcohol resistant foam, dry extinguishing powder, sand, CO<sub>2</sub>

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

Hazardous combustion products:

In case of fire may be liberated: nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

A finely divided dust aerosol may be explosive although the exact conditions of the hazard are unknown. Avoid dispersing dust.

### 5.3 Advice for fire-fighters

Use material suitable and appropriate to surrounding fire conditions

Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: Accidental release measures

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

Avoid all direct contact.

Respiratory protection: A NIOSH dust mask is recommended when a possibility of dust inhalation exists. Local exhaust is usually sufficient.

Protective gloves: Impermeable

Eye protection: Laboratory safety glasses

Other protective equipment: Normal laboratory apparel

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Remove mechanically, placing in appropriate containers for disposal.

Avoid generation of dust.

Clear contaminated area thoroughly.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition -No smoking. Take measures to prevent the build up of electrostatic charge. Keep away from heat.

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

Store at -20 °C. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

No information available.

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## SECTION 8: Exposure controls/personal protection Handling and storage

### 8.1 Control parameters

#### Engineering measures

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### 8.2 Exposure controls



#### Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment:

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection:

Handle with gloves. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Wash and dry hands.

#### Body Protection:

Complete suit protecting against chemicals, flame retardant antistatic protective clothing.

#### Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state: solid

Colour: white to off-white

Odour: No data available

Odour threshold: No data available

pH (value): No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

lower explosion limit (LEL): No data available

upper explosion limit (UEL): No data available

Explosion limits of dust clouds: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Water solubility (20 °C): No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, flow time (23 °C): No data available

Viscosity, dynamic (mPas / 20 °C): No data available

Explosive properties: No data available

Oxidizing properties: No data available

#### 9.2 Other information:

Solubility: c= 5 % in AcOH 80 %

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

Stable under recommended storage condition.

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### 10.3 Possibility of hazardous reactions

Hazardous polymerization

No information available.

Possibility of Hazardous Reactions

Contact with acids may liberate toxic gas.

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Reducing agents, Oxidizing agents, Bases, Alkali Metals

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity -single exposure: No data available

Specific target organ toxicity -repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

### 12.1 Toxicity

Ecotoxicity

May cause long lasting harmful effects to aquatic life.

Unknown aquatic toxicity

100 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

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### 12.2 Process of degradability

No data available.

### 12.3 Bioaccumulative potential

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.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product:

Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging:

see Product

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN Proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

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### 14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out

## SECTION 16: Other information

### 16.1 Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. It does not represent any guarantee of the accuracy, completeness or properties of the product. This material is intended for use by persons with pertinent technical skills and at their discretion and risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subject to local laws or regulations. Baseclick GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. Not for drug use! For R&D only!