

# Safety Data Sheet

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

Product No: BCN-001

Trade name: EdU

Version 6.0

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Revision date: 14.10.2019



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

### 1.1. Product identifiers

Product Name: 5-Ethynyl-2'-deoxyuridine (EdU)

Formal Name: 5-Ethynyl-2'-deoxyuridine

Product Number: BCN-001

CAS-Nr.: 61135-33-9

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)

Lieferant / Supplier:  
Carl Roth GmbH + Co KG  
Schoemperlenstr. 3-5  
76185 Karlsruhe, Germany  
+49 721 5606 0  
[sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)

### 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]

Classification system:

Regulation (EC) No 1272/2008

Germ cell mutagenicity (Category 1B), H340

Reproductive toxicity (Category 2), H361

EU Directives 67/548/EEC or 1999/45/EC

Toxic R46; R 61

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## 2.2. Label elements

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

Hazard symbol:



Signal word: Danger

Hazard statement(s)

H340 May cause genetic defects.

H361 Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Supplemental Hazard Statements

none

## 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substance(s)

Formula:  $C_{11}H_{12}N_2O_5$

MW: 252.23 g/mol

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

Description: white/off-white powder

TLV units: Unknown

CAS-No.: 61135-33-9

### 3.2 Mixtures

not relevant

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes:

Avoid all direct contact. In case of contamination always contact physician.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Contact a physician or Poison Control Center immediately.

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In case of skin contact:

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

In case of eye contact:

Flush eyes with water immediately for at least 15 minutes. Immediate medical attention is required

If swallowed:

Call a physician or Poison Control Center immediately.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow. Do not induce vomiting without medical advice. Rinse mouth with water.



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

No data available

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, H<sub>2</sub>O spray, alcohol-resistant foam

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

Hazardous combustion products:

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

Special hazards arising from the substance or mixture: carbon oxides, nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for fire-fighters

Use material suitable and appropriate to surrounding fire conditions.

## SECTION 6: Accidental release measures

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

Avoid all direct contact.

Respiratory protection: A 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

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## 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

Take up under dust avoidance. Keep in suitable, closed containers for disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Information for safe handling:

Avoid all direct contact. Handle using standard laboratory practices. Wear personal protective equipment. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use.

Information about fire:

No risk of explosion or fire

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

Requirements to be met by storerooms and receptacles:

Store in a cool place. Keep in properly labeled containers. Keep container tightly closed in a dry well-ventilated place.

Information about storage in one common storage facility:

Not required

Further information about storage conditions:

-20 °C, dry

Class according to regulations on flammable liquids:

Void

### 7.3 Specific end use(s)

No data available.

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

### 8.1 Control parameters

Additional information about design of technical facilities:

No further requirements, see item 7.

Ingredients with limit values that require monitoring in the workplace:

No ingredients need monitoring.

### 8.2 Exposure controls



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Personal protective equipment:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

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

Protection of hands:

Impermeable gloves

Eye protection:

Laboratory safety glasses

### SECTION 9: Physical and chemical properties

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

Physical state: solid

Colour: white / off-white

Odour: None

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: Not applicable

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): low

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:

No data available

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None known

#### 10.2 Chemical stability

Thermal decomposition/condition to be avoided: No decomposition if used according to specifications.

#### 10.3 Possibility of hazardous reactions

Dangerous reactions: Stable material, hazardous polymerization will not occur.

#### 10.4 Conditions to avoid

Dangerous decomposition: Toxic oxides of nitrogen may evolve when heated to decomposition.

#### 10.5 Incompatible materials

No dangerous reaction known under conditions of normal use.

#### 10.6 Hazardous decomposition products

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

Toxic oxides of nitrogen may evolve when heated to decomposition.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Threshold limit value: No data available

Overexposure effects: No data available

Acute toxicity: No data available

Germ cell mutagenicity: in vivo test showed mutagenic effects – fibroblast Result: positive

Reproductive toxicity: Suspected human reproductive toxicant.

Principle Routes of Exposure/Potential Health effects

Eyes: No data available.

Skin: No data available

Inhalation: No data available

Specific target organ toxicity - single exposure:

No data available

Specific target organ toxicity - repeated exposure:

No data available

Sensitization:

no data available

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Additional toxicological information:

This product should be handled with the usual care when dealing with chemicals.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Do not allow product to reach ground water, water course, or sewage system.

#### 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

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 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

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### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

### 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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not 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!