

# Safety Data Sheet

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

Product No: BCAL-011

Trade name: Cyanine5-Alkyne

Version 2.0

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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: Cyanine 5-Alkyne

Formal name: not available

Product number: BCAL-011

CAS-Nr.: not available

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

No data available

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## SECTION 3: Composition/information on ingredients

### 3.1 Substance(s)

Formula:  $C_{37}H_{45}N_3O_{10}S_3$  (Protonated)

MW: 787.96 g/mol (Protonated)

Purity: > 90 % (HPLC).

Description: dark blue solid.

Dangerous components: Contains no metals, pigments, catalysts, vehicle, coating, flux.

TLV units: Unknown

### 3.2 Mixtures

not relevant

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes:

Avoid all direct contact.

Always contact physician.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact:

Flush thoroughly with soap and water.

In case of eye contact:

Flush thoroughly with water.

In case of ingestion:

Contact physician.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

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

No data available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Prevention of fire and explosion: No risk of explosion or fire.

Fire and explosion hazards: No risk of explosion or fire.

### 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: Avoid breathing vapors, mist or gas. For personal protection see item 8.

Protective gloves: Impermeable

Eye protection: Laboratory safety glasses

Other protective equipment: Normal laboratory apparel

### 6.2 Environmental precautions

Do not let product enter drains.

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

First sweep up the bulk of the material. Finish by wiping with a damp towel. 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. For precautions see section 2.

Information about fire: No risk of explosion or fire.

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## 7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No further requirements

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature -20 °C, dry.

Class according to regulations on flammable liquids: Void.

## 7.3 Specific end use(s)

No information available.

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

### 8.1 Control parameters

The product does not contain any hazardous materials with occupational exposure limits established.

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



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.

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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.

### SECTION 9: Physical and chemical properties

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

Physical state: solid

Colour: dark blue

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): Not self-igniting

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:

No data available.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available.

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### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions occur.

### 10.4 Conditions to avoid

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

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Toxic oxides of nitrogen may evolve when heated to decomposition. Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), sulfur oxides

## 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

No data available.

### 12.2 Process of degradability

No data available.

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### 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

Regulation information

Labelling according to EU guidelines: This takes into account directive 67/548/EEC and 1999/45/EC.

Hazard symbols: None.

P-phrases:

P 235 + 220 Keep in a cool place away from acids

P 501 This material and its container must be disposed of in a safe way

P 281 + 282 Wear suitable protective clothing, gloves and eye/face protection

P 301 + 313 If swallowed, seek medical advice immediately and show this container or label

### 15.2 Chemical Safety Assessment

Note: The toxicological properties of this material have not yet been thoroughly investigated. Use prudent laboratory practices for handling chemical substances of unknown toxicity.

## 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!