

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 1 of 8

Revision date: 10.10.2019



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

1.1. Product identifiers

Product Name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Formal name: not available

Product number: BCAL-001

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

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

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 2 of 8

Revision date: 10.10.2019

SECTION 3: Composition/information on ingredients

3.1 Substance(s)

Formula: $C_{32}H_{33}N_3O_8$

MW: 587.6 g/mol

Purity: > 90% (HPLC)

Description: dark red solid

TLV units: Unknown Assay: N/A

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:

Local exhaust is usually sufficient.

In case of skin contact:

Flush thoroughly with 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.



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

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 3 of 8

Revision date: 10.10.2019

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

Hazardous combustion products:

In case of fire may be liberated: nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

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. Avoid breathing vapors, mist or gas.

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.

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.

Information about fire: Not available

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 4 of 8

Revision date: 10.10.2019

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.

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 5 of 8

Revision date: 10.10.2019

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 red

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: DMSO, DMF

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 6 of 8

Revision date: 10.10.2019

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

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_x)

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: Not listed by NTP, IARC, or OSHA

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.

12.3 Bioaccumulative potential

No data available.

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 7 of 8

Revision date: 10.10.2019

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: -

14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

Safety Data Sheet

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

Product No: BCAL-001

Trade name: 5/6-Carboxyrhodamine 110-PEG4-Alkyne

Version 5.0

Page 8 of 8

Revision date: 10.10.2019



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

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

European information

Caution: Substance not yet fully tested.

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!