

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 1 of 9

Revision date: 10.01.2023



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

1.1. Product identifiers

Product Name: 3-Azido-7-hydroxycoumarin

Formal Name: 3-Azido-7-hydroxy-chromen-2-one

Product Number: BCFA-047

CAS-Nr.: 817638-68-9

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

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 of the substance or mixture

Classification (EC 1272/2008)

Physical hazards: Not Classified

Health hazards: Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

Environmental hazards: Not Classified

2.2. Label elements

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

Hazard symbol:

GHS07

Signal word: Warning

Hazard statements:

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 2 of 9

Revision date: 10.01.2023

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Precautionary statements:
P261 Avoid breathing dust.
P280 Wear

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substance(s)

Formula: $C_9H_5N_3O_3$

MW: 203.15 g/mol

Description: amber to brown crystalline solid

TLV units: Unknown

3.2 Mixtures

No data available

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.



Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 3 of 9

Revision date: 10.01.2023



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. Carbon dioxide (CO₂). Sand.

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.

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

Take up mechanically. Control of dust.

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 4 of 9

Revision date: 10.01.2023

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition. Provide adequate ventilation. When not in use, keep containers tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

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 conditions: -20 °C, dark.

7.3 Specific end use(s)

No information 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



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).

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 5 of 9

Revision date: 10.01.2023



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: crystalline powder

Colour: amber to brown

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, MeCN, MeOH

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 6 of 9

Revision date: 10.01.2023



10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

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

10.5 Incompatible materials

Avoid strong oxidants, strong acids and strong alkalis.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Acute toxicity – oral:

Notes (oral LD₅₀): Acute Tox. 4 - H302

Harmful if swallowed.

ATE oral (mg/kg): 500.0

Acute toxicity – dermal:

Notes (dermal LD₅₀): Based on available data the classification criteria are not met.

Acute toxicity – inhalation:

Notes (inhalation LC₅₀): Based on available data the classification criteria are not met.

Skin corrosion/irritation: Animal data: Irritating.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Respiratory sensitization: Based on available data the classification criteria are not met.

Skin sensitization: Based on available data the classification criteria are not met.

Germ cell mutagenicity: Genotoxicity - in vitro: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

IARC carcinogenicity: None of the ingredients are listed or exempt

Reproductive toxicity: Reproductive toxicity – fertility: Based on available data the classification criteria are not met.

Reproductive toxicity – development: Based on available data the classification criteria are not met.

Specific target organ toxicity -single exposure: STOT SE 3 - H335

May cause respiratory irritation.

Target organs: Respiratory system, lungs

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 7 of 9

Revision date: 10.01.2023



Specific target organ toxicity -repeated exposure: Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard: Not relevant. Solid.

Additional Information: General information: Dust may irritate the eyes and the respiratory system. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

Ingestion: May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

Skin contact: Redness. Irritating to skin.

Eye contact: Irritating to eyes.

Route of entry: Ingestion Inhalation Skin and/or eye contact

Target organs: Respiratory system, lungs

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicity: Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

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

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 8 of 9

Revision date: 10.01.2023



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

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.

Caution – substance not yet tested completely.

15.2 Chemical Safety Assessment

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

Safety Data Sheet

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

Product No: BCFA-047

Trade name: 3-Azido-7-Hydroxycoumarin

Version 8.0

Page 9 of 9

Revision date: 10.01.2023

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!