

Safety Data Sheet

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

Product No: BCFA-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 1 of 8

Revision date: 14.09.2023



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

1.1. Product identifiers

Product Name: AZDye 647 Azide Plus

Formal Name: n.r.

Product Number: BCFA-242

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

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: BCFA-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 2 of 8

Revision date: 14.09.2023

SECTION 3: Composition/information on ingredients

3.1 Substance(s)

Formula: $C_{46}H_{64}N_{10}O_{13}S_4$

MW: 1093.3 g/mol

Purity: >95% (HPLC)

Description: Blue 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.



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, CO₂, H₂O spray, alcohol-resistant foam

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

Safety Data Sheet

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

Product No: BCFA-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 3 of 8

Revision date: 14.09.2023



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 (NOx)

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

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:

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

7.3 Specific end use(s)

No data available.

Safety Data Sheet

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

Product No: BCFA-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 4 of 8

Revision date: 14.09.2023

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).

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: 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

Safety Data Sheet

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

Product No: BCFA-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 5 of 8

Revision date: 14.09.2023



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
Solubility (20 °C): DMSO, DMF, water
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

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

No dangerous reaction known under conditions of normal use

10.6 Hazardous decomposition products

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

Safety Data Sheet

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

Product No: BCFA-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 6 of 8

Revision date: 14.09.2023



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: No data available

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: No data available

SECTION 12: Ecological information

12.1 Toxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2 Process of degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

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

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-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 7 of 8

Revision date: 14.09.2023

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

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-242

Trade name: AZDye 647 Azide Plus

Version 1.0

Page 8 of 8

Revision date: 14.09.2023



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!