



SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006
AZDye™ 647

Version number: 1
Issued: 2023-03-27
Replaces SDS: -

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

1.1. Product identifier

Trade name AZDye™ 647

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory chemicals

1.3. Details of the supplier of the safety data sheet

Supplier Kromnigon AB

Street address BioVentureHub

431 83 Mölndal

Sweden

Telephone +46 761 682242

Email info@kromnigon.com

1.4. Emergency telephone number

Emergency phone number NHS 111

Available outside office hours Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Description The product contains no substances which at their given concentration are considered to be hazardous to health.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

The product contains no substances, nor concentration levels thereof, that require marking or that need to be declared.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures In case of concern, or if symptoms occur, call a doctor/physician.

Inhalation Fresh air and rest. If symptoms persist seek medical advice.

Skin contact Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

Eye contact Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor.

Ingestion Rinse nose, mouth and throat with water. Get medical attention if you feel unwell.

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

Most important symptoms and effects, both acute and delayed Not applicable

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

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2. Special hazards arising from the substance or mixture

Standard procedure for chemical fires.

5.3. Advice for firefighters

Protective measures should be taken regarding other material at the site of the fire. In case of fire use proper breathing apparatus. Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures Use recommended safety equipment, see section 8. Avoid inhalation and exposure to skin and eyes. Ensure good ventilation.

6.2. Environmental precautions

Environmental precautions No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections For personal protective equipment, see under section 8, and for waste see under section 13.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Always use sealed and visibly labeled packages.

Store in dry and cool area.

7.3. Specific end use(s)

Specific end use(s) See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits Contains no substances with occupational exposure limit values

8.2. Exposure controls

Appropriate engineering controls Ensure adequate ventilation, especially in confined areas

Eye / face protection Wear tight sealing safety goggles

Hand protection Wear suitable gloves Glove material: Compatible chemical-resistant gloves

Respiratory protection In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls No special environmental precautions required

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour	Orange to light red solid
Odour	No data available
Melting point / freezing point	Not indicated
Boiling point or initial boiling point and boiling range	Not indicated
Flammability	Not indicated
Lower and upper explosion limit	Not indicated
Flash point	Not indicated
Auto-ignition temperature	Not indicated
Decomposition temperature	Not indicated
pH	Not applicable
Kinematic viscosity	Not indicated
Viscosity, dynamic	Not indicated
Solubility	Not indicated
Partition coefficient n-octanol/water	Not indicated
Vapour pressure	Mixture has not been tested
Density and/or relative density	Mixture has not been tested
Relative vapour density	Mixture has not been tested
Evaporation Rate	Not indicated
Explosive properties	Not indicated
Oxidising properties	Not indicated

9.2. Other information

Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None known

10.2. Chemical stability

Chemical stability Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No hazardous reactions known during normal use.

10.4. Conditions to avoid

Conditions to avoid None in particular.

10.5. Incompatible materials

Incompatible materials None known.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity There is no evidence available indicating acute toxicity

Skin corrosion/irritation Conclusive but not sufficient for classification

Serious eye damage/irritation Conclusive but not sufficient for classification

Respiratory/skin sensitization Conclusive but not sufficient for classification

Germ cell mutagenicity Conclusive but not sufficient for classification

Carcinogenicity Conclusive but not sufficient for classification

Reproductive toxicity Conclusive but not sufficient for classification

STOT-single exposure Conclusive but not sufficient for classification

STOT-repeated exposure Conclusive but not sufficient for classification

Aspiration hazard Conclusive but not sufficient for classification

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not classified as an environmental hazard according to current regulations, but it does contain an environmentally hazardous substance in quantities below the labelling limit. Prevent release on land, in water and drains.

12.2. Persistence and degradability

Persistence and degradability No data available

12.3. Bioaccumulative potential

Bioaccumulative potential No data available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances that are assessed to be a PBT or a vPvB.

12.4. Mobility in soil

Mobility Not indicated.

12.7. Other adverse effects

Other adverse effects No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.



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SECTION 14: Transport information

Not regulated in the meaning of transport regulations.

14.1. UN number

UN number Not classified as dangerous goods according to transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Environmental hazards Not applicable

14.6. Special precautions for user

Special precautions for user Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

14.8 Other transport information

Not applicable

SECTION 15: Regulatory information

SARA 313 Components

This product is not regulated by SARA

15.2 Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs

15.3 California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.4 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.



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SECTION 16: Other information

- References**
- ECHA: <http://echa.europa.eu/>
 - TOXNET: <http://toxnet.nlm.nih.gov/>
 - eChemPortal: <http://www.echemportal.org/>