



## AZDye™ 405

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

#### 1.1. Product identifier

**Trade name** AZDye™ 405

#### 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 (CO<sub>2</sub>). 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.

**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

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

### 9.2. Other information

<b>Other information</b>	No data available
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	None known
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### 10.2. Chemical stability

<b>Chemical stability</b>	Stable under normal usage and storage conditions.
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### 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.



SAFETY DATA SHEET  
According to Regulation (EC) No 1907/2006  
**AZDye™ 405**

Version number: 3  
Issued: 2023-03-27  
Replaces SDS: 2022-01-10

## 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/>