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## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

**Product name:** Azure 2  
Methylene Azure; Polychrome Methylene Blue.  
**CAS number:** 37247-10-2  
**EINECS number:** not determined  
**Product code:** DYE004  
**Brand:** Solmedia Ltd

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

**Identified uses:** PC21: Laboratory chemicals.

#### 1.3 Details of the supplier of the safety data sheet

**Name of Supplier:** Solmedia Ltd.  
**Address of Supplier:** Unit 2, Vernon Drive  
Battlefield Enterprise Park  
Shrewsbury  
SY1 3TF  
UK  
**Telephone:** 0844 80 80 900  
**Email:** [labsupplies@solmedialtd.com](mailto:labsupplies@solmedialtd.com)

#### 1.4 Emergency telephone number

**Emergency Phone:** +44 (0)844 80 80 900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Eye Dam. 1: H318

#### 2.2 Label elements

**Hazard Statements:** H318: Causes serious eye damage  
**Signal Word:** Warning  
**Hazard Pictograms:** GHS05: Corrosion



**Precautionary statements:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3 Other hazards**

Recommend restriction to professional users only.

**PBT:** This product is not identified as a PBT/vPvB substance.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

**Chemical identity:** Azur 2  
**CAS number:** 37247-10-2  
**EINECS number:** n/a  
**Contains:** Formula: C<sub>16</sub>H<sub>18</sub>ClN<sub>3</sub>S:C<sub>15</sub>H<sub>16</sub>ClN<sub>3</sub>S  
Molecular Weight: 625.68 g/mol

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Flush eyes with water as a precaution.  
**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary.

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

**Skin contact:** No data available.  
**Eye contact:** No data available.  
**Ingestion:** No data available.  
**Inhalation:** No data available.  
**Delayed / immediate effects:**  
No data available.

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

No data available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. combustion emits toxic fumes of sulphur oxides.

In combustion emits toxic fumes of hydrogen chloride / phosgene.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus.

### 5.4 Further information

No data available.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Observe all warning labels on container. Avoid dust formation. Avoid breathing vapours, mist or gas. Evacuate personnel to safe area. For personal protection see section 8.

### 6.2 Environmental precautions

Do not discharge into drains or rivers.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Refer to section 13 of SDS.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure there is exhaust ventilation of the area. Normal measures for preventive fire protection.  
For precautions see section 2.2.

## 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Not applicable.

## 7.3 Specific end use(s)

No special requirement.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No data available.

**DNEL / PNEC** No data available.

### 8.2 Exposure controls

#### Engineering measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Respiratory protection:

Respiratory protection not required.

#### Hand protection:

Protective gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection:

May cause mild eye irritation. Avoid exposure to liquid splashes, oil mist or vapours. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU) or NIOSH (US).

#### Skin protection:

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Environmental:

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**State:** Powder, Crystalline.

<b>Colour:</b>	Blue-Green/Black colour.
<b>Odour:</b>	No data available
<b>Odour Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting/freezing point/range:</b>	No data available
<b>Initial boiling point /boiling range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Vapour density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Solubility at 20°C:</b>	
<b>Water:</b>	Readily soluble in Water at 1% w/v
<b>In other solvents:</b>	No data available
<b>Partition coefficient:</b>	No data available
<b>Autoignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

## 10.2 Chemical stability

Stable under normal conditions.

## 10.3 Possibility of hazardous reactions

No data available.

## 10.4 Conditions to avoid

No data available.

## 10.5 Incompatible materials

Strong oxidising agents.

## 10.6 Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

No data available.

#### Symptoms / routes of exposure

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

#### Delayed / immediate effects:

No data available.

**Other information:** Not applicable.

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available.

### 12.2 Persistence and 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

This product is not identified as a PBT/vPvB substance.

## 12.6 Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## SECTION 14: Transport information

This product does not require a classification for transport.

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## 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

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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## SECTION 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

### Phrases used in s.2 and 3:

H318: Causes serious eye damage.

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.