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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:** METHYLENE BLUE (1% AQUEOUS)  
**Item Code:** MIC405  
**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

#### 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

This product has no classification under CLP.

#### 2.2 Label elements

This product has no label elements.

#### 2.3 Other hazards

**Other hazards:** No data available.  
**PBT:** This product is not identified as a PBT/vPvB substance.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Hazardous ingredients:**

**ETHANOL**

EINECS	CAS	CLP Classification	Percent
200-578-6	64-17-5	Flam. Liq. 2: H225	1-10%

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>Skin contact:</b>	Wash immediately with plenty of soap and water.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes.
<b>Ingestion:</b>	Wash out mouth with water.
<b>Inhalation:</b>	Consult a doctor.

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

<b>Skin contact:</b>	There may be mild irritation at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	There may be irritation of the throat.
<b>Inhalation:</b>	No symptoms.

Delayed / immediate effects: No data available.

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

Not applicable.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

In combustion emits toxic fumes.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

## 6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

## 6.3 Methods and materials for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 6.4 Reference to other sections

Refer to section 8 of SDS.

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# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

## 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 data available

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# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

**Hazardous ingredients:**

**ETHANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8-hour TWA	15 min. STEL	8-hour TWA	15 min. STEL
UK	1920 mg/m <sup>3</sup>	-	-	-

**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.

**Eye protection:**

Safety glasses. Ensure eye bath is to hand.

**Skin protection:**

Protective clothing.

**Environmental:**

No special requirement.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

State	Liquid
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**9.2 Other safety information**

Not applicable

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

**10.4 Conditions to avoid**

Heat

**10.5 Incompatible materials**

Strong oxidising agents. Strong acids.

**10.6 Hazardous decomposition products**

In combustion emits toxic fumes.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Hazardous ingredients:**

**ETHANOL**

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

**Toxicity values:** No data available.

#### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

#### 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

Biodegradable.

### 12.3 Bioaccumulative potential

No bioaccumulation potential.

### 12.4 Mobility in soil

Readily absorbed into soil.

### 12.5 Results of PBT and vPvB assessment

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

## 12.6 Other adverse effects

Negligible ecotoxicity.

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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:

H225: Highly flammable liquid and vapour.

#### 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.