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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: Indicator Solution No. 11

Bromo Phenol blue 0.04% in ethanol 20%

- IS11
- 125734175

Brand: Solmedia Ltd

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

Identified uses: Test reagent

#### 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

**Classification under CLP:** Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

#### 2.2 Label elements

**Hazard pictograms:**

Not applicable

**Hazard Statements:**

Not applicable

**Signal word:** Not applicable

**Precautionary statements:**

Not applicable

**2.3 Other hazards**

SVHC= NO

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

**3.2 Mixtures**

Hazardous ingredients Classification according to Regulation (EC) No. 1272/2008 [CLP]

Ethanol absolute

CAS No.: 64-17-5 EC No.: 200-578-6

REACH No.: 01-2119457610-43

Flammable liquid, category 2

H225 Concentration 10-25%

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

No data available

**4.2 After inhalation**

No data available

**4.3 In case of skin contact**

No data available

**4.4 After eye contact**

No data available

**4.5 After ingestion**

No data available

**4.6 Self-protection of the first aider**

No data available

**4.7 Information to physician:**

Show this data sheet to the physician

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Hydrogen bromide (HBr) Nitrogen oxides (NO<sub>x</sub>) Sulphur oxides

### **5.3 Advice for firefighters**

DO NOT fight fire when fire reaches explosives. In case of fire: Wear self-contained breathing apparatus

### **5.4 Additional information**

Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers.

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## **SECTION 6: Accidental release measures**

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

Avoid generation of dust. Do not breathe dust. Provide adequate ventilation. Use personal protection equipment.

### **6.2 Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

### **6.3 Methods and material for containment and cleaning up**

Spilled product must never be returned to the original container for recycling. Clean contaminated objects and areas thoroughly observing environmental regulations. Collect in closed and suitable containers for disposal.

### **6.4 Additional information**

Clear spills immediately

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid: Inhalation Avoid contact with skin and eyes. Use extractor hood (laboratory). If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Protect from moisture.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature: 15-25 °C Storage class: 3 Keep container tightly closed in a cool, well-ventilated place.

## 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ethanol absolute– Gestis – UK – LTV – 1920mg/m<sup>3</sup> -1000ppm

### 8.2 Exposure controls

#### 8.2 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### 8.3 Personal protection equipment

Wear suitable protective clothing. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

##### Respiratory protection

Respiratory protection necessary at: aerosol or mist formation Suitable respiratory protection apparatus: Full-/half-/quarter-face masks (DIN EN 136/140) Recommendation: VWR 111-0206 Suitable material: A2B2E2K2P3 Recommendation: VWR 111-0059

**Additional information** Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

#### 8.4 Skin protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Recommended glove articles DIN-/EN-Norms: DIN EN 374 In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### 8.5 Environmental exposure controls

No data available

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

(a) Appearance Physical state: liquid Colour: blue/green

(b) Odour: no data available

(c) Odour threshold: no data available

#### **Safety relevant basic data**

(d) pH: no data available

(e) Melting point/freezing point: no data available

(f) Initial boiling point and boiling range: no data available

(g) Flash point: no data available

(h) Evaporation rate: no data available

(i) Flammability (solid, gas): Not applicable

(j) Upper/lower flammability or explosive limits Lower explosion limit: no data available  
Upper explosion limit: no data available

(k) Vapour pressure: no data available

(l) Vapour density: no data available

(m) Relative density: no data available

(n) Solubility (ies) at 20 °C: no data available Soluble (g/L) in: no data available

(o) Partition coefficient: n-octanol/water: no data available

(p) Auto-ignition temperature: no data available

(q) Decomposition temperature: no data available

(r) Viscosity Kinematic viscosity: no data available Dynamic viscosity: no data available

(s) Explosive properties: not applicable

(t) Oxidising properties: not applicable

#### **9.2 Other safety information**

Bulk density: no data available

Refraction index: no data available

Dissociation constant: no data available

Surface tension: no data available

Henry constant: no data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

No data available

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

No data available

### **10.5 Incompatible materials**

No data available

### **10.6 Hazardous decomposition products**

No data available

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## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

**Acute effects Acute oral toxicity:** no data available

**Acute dermal toxicity:** no data available

**Acute inhalation toxicity:** no data available

**Irritant and corrosive effects** Primary irritation to the skin: Not applicable.

**Irritation to eyes:** Not applicable.

**Irritation to respiratory tract:** not applicable

**Respiratory or skin sensitisation** In case of skin contact: not sensitising

**After inhalation:** not sensitising

**STOT-single exposure:** Not applicable

**STOT-repeated exposure:** Not applicable

**CMR effects** (carcinogenicity, mutagenicity and toxicity for reproduction)

**Carcinogenicity** No indication of human carcinogenicity.

**Germ cell mutagenicity** No indications of human germ cell mutagenicity exist.

**Reproductive toxicity** No indications of human reproductive toxicity exist.

**Aspiration hazard** not applicable

**Other adverse effects** no data available

**Additional information** no data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Ecotoxicity values:

**Acute (short-term) fish toxicity:** no data available

**Chronic (long-term) fish toxicity:** no data available

**Acute (short-term) daphnia toxicity:** no data available

**Chronic (long-term) daphnia toxicity:** no data available

**Acute (short-term) algae toxicity:** no data available

**Chronic (long-term) algae toxicity:** no data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water: no data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Disposal of packaging:**

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

## **SECTION 14: Transport information**

Land transport (ADR/RID)

**14.1 UN-No.:** 1170

**14.2 Proper Shipping Name:** Ethanol

**14.3 Class(es):** 3 Classification code: F1 Hazard labels: 3

**14.4 Packing group:** III

**14.5 Environmental hazards:** No

**14.6 Special precautions for user:**

Hazard identification number (Kemler No.): 80 tunnel restriction code: E (Passage forbidden through tunnels of category E.)

### **Sea transport (IMDG)**

**14.1 UN-No.:** 1170

**14.2 Proper Shipping Name:** Ethanol

**14.3 Class(es):** 3 Classification code: Hazard label(s): 3

**14.4 Packing group:** II

**14.5 Environmental hazards:** No MARINE POLLUTANT:

**14.6 Special precautions for user:** Segregation group:

### **Air transport (ICAO-TI / IATA-DGR)**

**14.1 UN-No.:** 1170

**14.2 Proper Shipping Name:** Ethanol

**14.3 Class(es):** 3 Classification code: F1 Hazard label(s): 3

**14.4 Packing group:** III

## **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 as amended by Regulation (EU) 2015/830.

Water hazard class (WGK): strongly hazardous to water (WGK 3)

### **15.2 Chemical safety assessment**

No data available

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## **SECTION 16: Other information**

### 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.