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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: Testing Powder No. 25

Potassium Iodide Powder

- TP25
- 129133

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

This product has no classification under CLP.

#### 2.2 Label elements

This product has no label elements

#### 2.3 Other hazards

This substance is not identified as a PBT substance.

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

### **3.1 Substances**

**Chemical identity:** POTASSIUM IODIDE

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** 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. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact. May be harmful if absorbed through the skin

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

**Ingestion:** There may be irritation of the throat. May be harmful if swallowed  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. May be harmful if inhaled

**Delayed / immediate effects:** Headaches or general malaise may result. Rash.

### **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**

Suitable extinguishing media for the surrounding fire should be used.

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

Exposure hazards: Hydrogen Iodide, Potassium oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting.

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

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

Personal precautions: Refer to section 8 of SDS for personal protection details. Do not create dust.

### **6.2 Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers.

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

Clean-up procedures: Wash the spillage site with large amounts of water.

### **6.4 Reference to other sections**

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

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

Handling requirements: Avoid the formation or spread of dust in the air

### **7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions: Store in cool, well ventilated area. Avoid contact with water or humidity. Keep away from direct sunlight. Store under inert gas.

### **7.3 Specific end use(s)**

As section 1.2.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

Workplace exposure limits: Not applicable.

### **8.2 Exposure controls**

**Engineering measures:** Ensure there is exhaust ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter. Particle filter class P1 (EN143).

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

State: Crystals

Colour: White

Boiling point/range °C: 1130

Vapour Pressure: 1hPa at 745C

pH: 6-9

Melting point/range °C: 681

Relative Density: 3.130 g/cm<sup>3</sup>

### **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 recommended normal conditions.

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

No data available

### **10.4 Conditions to avoid**

Heat

### **10.5 Incompatible materials**

#### **Materials to avoid:**

Strong reducing agents. Strong acids. Magnesium. Zinc. Copper. Nickel. Alkali earth metals. Aluminium. Steel. Brass. Cadmium. Tin/tin oxides.

### **10.6 Hazardous decomposition products**

In combustion emits toxic fumes

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Toxicity values: Not applicable.

**Symptoms/ routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact. May be harmful if absorbed through the skin

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

**Ingestion:** There may be irritation of the throat. May be harmful if swallowed

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. May be harmful if inhaled  
Delayed / immediate effects: Headaches or general malaise may result.  
Rash.

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**SECTION 12: Ecological information****12.1 Toxicity**

Species	Test	Value	Units
Rainbow Trout ( <i>Oncorhynchus mykiss</i> )	96H LC50	2190	mg/l

**12.2 Persistence and degradability****12.3 Bioaccumulative potential****12.4 Mobility in soil****12.5 Results of PBT and vPvB assessment**

This substance is not identified as a PBT substance

**12.6 Other adverse effects**

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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.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

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**

**Transport class:** 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 as amended by Regulation (EU) 2015/830.

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

### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

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## **SECTION 16: Other information**

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

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.