

## SAFETY DATA SHEET

### 1. Identification of the product and the company/undertaking

#### 1.1 Product identifier

Product Name : Liquid pH meter

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

Use : Reagent Indicator for pH

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

Supplier : HUMIBOX (M) SDN. BHD.  
Lot 1033, Tingkat 3, Batu 7,  
Jalan Ipoh, 68100, Batu Caves,  
Selangor D.E., Malaysia.  
Tel: +603-6185 1898

### 2. Composition/information on ingredients

#### Isopropanol

Chemical Formula:  $C_3H_8O$

#### Phenolphthalein

Chemical Formula:  $C_{20}H_{14}O_4$

#### Potassium Hydroxide

Chemical Formula: KOH

#### Methyl Red, Sodium Salt

Chemical Formula:  $C_{15}H_{15}N_3O_2Na$

#### Demineralized Water

Chemical Formula:  $H_2O$

#### Bromthymol Blue

Chemical Formula:  $C_{27}H_{28}Br_2O_5S$

### 3. Hazards identification

#### 3.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Flammable liquid (Category 3), H226

Eye irritation (Category 2A), H319

Respiratory effects (Category 3), H335

## **4. First aid measures**

### **4.1 Contact with eyes**

Flush eyes with plenty of water for 15 minutes, including under the eyelid. Remove contact lenses.

### **4.2 Contact with skin**

Remove contaminated clothes. Wash affected areas with soap and water. Seek medical advice if irritation persists.

### **4.3 Inhalation**

If inhaled, lay the person down in an open-air location. Do make sure the person is breathing, perform CPR if needed. Once the person is breathing normally, seek medical attention immediately.

### **4.4 Ingestion**

Drink water immediately. Seek medical advice if unconscious.

## **5. Fire fighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media  
Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder  
Unsuitable extinguishing media  
For this substance/mixture no limitations of extinguishing agents are given.

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

Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

### **5.3 Advice for firefighters**

Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

### **5.4 Further information**

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **6. Accidental release measures**

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

Advice for non-emergency personnel: Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

## **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers or watercourses.

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

Cover drains. Collect, bind, and pump off spills. Dispose of properly. Clean up affected area.

# **7. Handling and storage**

## **7.1 Procedure of handling and storing**

Keep away from foods and drinks. Keep out of reach of the children. Transport in their original packaging under normal conditions. Protective measures: gloves resistant to chemical products, protective goggle. Avoid direct sunlight and other sources of heat. Store in a well ventilated place.

# **8. Exposure controls/personal protection**

## **Appropriate engineering controls**

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

Exposure limit : No data applicable  
Respiratory Protection : No data applicable  
Protective Gloves : Use cotton/rubber gloves to prevent direct contact  
Eye Protection : Chemical type goggles

# **9. Physical and chemical properties**

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

Appearance : Blackish brown liquid  
Odour : Alcoholic  
Vapour Pressure : No data available  
Density : No data available  
Solubility in water : Soluble  
Flashpoint : ~20.9°C; 70°F  
Method: Closed cup  
Flammability Limit :  
Lower Explosion Limits: No data available  
Upper Explosion Limits: No data available

# **10. Stability and reactivity**

Hazardous Decomposition: Heating to decomposition releases toxic fumes of carbon monoxide and carbon dioxide.

Conditions to Avoid: Contact with heat, sparks, open flames or other ignition sources. Extreme temperatures

## 11. Toxicological information

Information on toxicological effects

Acute toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitisation	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Specific target organ toxicity - single exposure	: No data available
Specific target organ toxicity - repeated exposure	: No data available
Aspiration hazard	: No data available
Additional Information	: No data available

## 12. Ecological information

Mobility	: No data available
Bioaccumulation	: No data available
Biodegradability	: No data available
Aquatic Toxicity	: No data available

## 13. Disposal considerations

### 13.1 Waste treatment methods

Disposal method in accordance with all applicable national environmental laws and regulations

## 14. Transport information

Proper Shipping Name	: Not allocated
Dangerous Good Class	: Not allocated
Subsidiary Risk	: Not allocated
Packing Group	: Not allocated
Hazchem Code	: None allocated

## 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**

For this product a chemical safety assessment was not carried out

## **16. Other information**

This data sheet is intended to provide general information. The suitability of this product for any particular application depends upon many factors which are beyond the control of Humibox (M) Sdn. Bhd. Humibox makes no warranties, representations or guarantees as to the suitability of this product for the particular application of the purchaser. Humibox hereby disclaims any responsibility for any loss or damage whatsoever arising from the use of this product or reliance in whole or in part on this Data Sheet.