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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: BUFFER SOLUTION pH 7.00

SolMedia Code: BS07-A

Brand: Solmedia Ltd

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

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

Not classified

#### 2.2 Label elements

Not applicable

#### 2.3 Other hazards

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

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Mixture of substances with non-hazardous additions.

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

### **4.1 General information**

No special measures required

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended

#### **After Inhalation**

If throat irritation or coughing is consistent, move person into fresh air and keep person warm. If difficulty breathing remove tight or restrictive clothing and assume them a comfortable position. If not breathing, give artificial respiration.

#### **In case of skin contact**

Wash off with soap and plenty of water. Seek medical help if problems persist.

#### **After eye contact**

Promptly wash the eye with running water for 15 minutes. Open eyes wide apart and rinse well to remove any contact lenses. Do not remove contact lenses by hand. Continue to rinse. Get medical attention if symptoms persist

#### **In case of Ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting and if vomiting occurs ensure head is tilted forward to prevent vomit from entering the lungs or choking the user.

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

No further relevant information available

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

No further relevant information available.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Indications shall be given whether any extinguishing media are inappropriate for a particular situation involving the substance or mixture Use fire extinguishing methods suitable to surrounding conditions.

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

No further relevant information available.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire-fighting. Wear complete protective clothing. Do not breath fumes. Use water spray to cool unopened containers. Avoid run off to waterways and sewers.

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## SECTION 6: Accidental release measures

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

Not required

### 6.2 Environmental precautions

Advice shall be provided on any environmental precautions to be taken related to accidental spills and release of the substance or mixture, such as keeping away from drains, surface and ground water

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4 Reference to other sections

No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures required.

N.B. All work processes must always be designed so that the following is as low as possible: Inhalation skin contact Eye contact. 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.

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

Store in cool place. Keep container tightly closed in a dry, well-ventilated place away from direct sunlight and areas prone to freezing

### 7.3 Specific end use(s)

No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

### Appropriate engineering controls

General industrial hygiene practice.

### Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact     Material: Nitrile rubber  
                         Minimum layer thickness: 0.11 mm  
                         Break through time: 480 min

Splash contact   Material: Nitrile rubber  
                         Minimum layer thickness: 0.11 mm  
                         Break through time: 480 min

Wash and dry hands.

### Body Protection

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

### Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK

(EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Eye protection:



Goggles recommended during refilling: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

#### **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.

#### **Control of environmental exposure**

No special environmental precautions required.

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

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

Appearance	
Form	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value	Not applicable
Change in condition	Melting point/freezing point: 0 °C Initial boiling point and boiling range: 95 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not determined.
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not self-igniting
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hP
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility/ miscibility with water:	Soluble
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable
Kinematic:	Not applicable

### **9.2 Other safety information**

No further relevant information available

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

### **10.1 Reactivity**

No further relevant information available

### **10.2 Chemical stability**

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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

No dangerous reactions known.

### **10.4 Conditions to avoid**

No further relevant information available.

### **10.5 Incompatible materials**

No further relevant information available.

### **10.6 Hazardous decomposition products**

No dangerous decomposition products known

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## **SECTION 11: Toxicological information**

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

#### **Acute toxicity:**

Based on available data, the classification criteria are not met.

#### **Primary irritant effect:**

##### **Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

##### **Serious eye damage/irritation:**

Based on available data, the classification criteria are not met.

##### **Respiratory or skin sensitisation:**

Based on available data, the classification criteria are not met.

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

#### **Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Based on available data, the classification criteria are not met.

**Reproductive toxicity:**

Based on available data, the classification criteria are not met.

**STOT-single exposure:**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

No further relevant information available.

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

General notes: Not hazardous for water

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects**

No further relevant information available.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Recommendation Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

Recommended cleansing agents: Water, if necessary, together with cleansing agents

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## **SECTION 14: Transport information**

### **14.1 UN number**

Not applicable

### **14.2 UN proper shipping name**

Not applicable

### **14.3 Transport hazard class(es)**

Not applicable

### **14.4 Packaging group**

Not applicable

### **14.5 Environmental hazards**

Marine - No

### **14.6 Special precautions for user**

Not applicable

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

UN "Model Regulation": Void

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## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/E

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Water-hazard class: Generally not hazardous for water.

### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

**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.