

## SAFETY DATA SHEET

In accordance with Regulation (EU) No. 2015/830 and Regulation (EC) No. 1272/2008

# Buffer Solution pH 7

| Product Code | Product Details                      | Product Size/Volume |
|--------------|--------------------------------------|---------------------|
| PEB504-07    | pH 7 Buffer Solution, NIST Traceable | 500 ml              |
| PEB404-07    | pH 7 Buffer Solution, NIST Traceable | 1 litre             |
| PEB304-07    | pH 7 Buffer Solution, NIST Traceable | 2.5 litres          |
| PEB204-07    | pH 7 Buffer Solution, NIST Traceable | 10 litres           |

## 1 – Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identification

|                |   |
|----------------|---|
| Trade name     | 2627                                      |
| Substance name | Buffer Solution pH 7, Colour-Coded Yellow |
| CAS-No.        | Mixture                                   |
| REACH reg-No.  | N/A                                       |

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

|              |  |
|--------------|--|
| Use material | Chemical for industrial and laboratory use. Not suitable for domestic use. |
|--------------|--|

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

|           |  |
|-----------|--|
| Company   | Klipspringer Ltd                             |
| Address   | Rynor House, Farthing Road, Ipswich, IP1 5AP |
| Telephone | 01473 461 800                                |
| Email     | sales@klipspringer.com                       |

### 1.4 – Emergency telephone number

|                                 |                        |
|---------------------------------|------------------------|
| Emergency contact and telephone | Guy Bush, 07780 493433 |
|---------------------------------|------------------------|

## 2 – Hazards identification

### 2.1 – Classification of the substance or mixture

#### Labelling according to Regulation (EC) No. 1272/2008.

Not classified as hazardous.

### 2.2 – Label elements

#### Labelling according to Regulation (EC) No. 1272/2008.

Not classified as hazardous.

## 3 – Composition/information on ingredients

### 3.2 – Mixtures

Not classified as hazardous.

## 4 – First aid measures

### 4.1 – Description of first aid measures

|   |   |
|---|---|
| <b>In case of inhalation</b>                | Remove from exposure.   |
| <b>In case of skin contact</b>              | Wash off skin thoroughly with water.  |
| <b>In case of eye contact</b>               | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists, OBTAIN MEDICAL ATTENTION. |
| <b>In case of ingestion</b>                 | Wash out the patient's mouth thoroughly with water.   |
| <b>Personal protection for first aiders</b> | Wear protective gloves / eye protection.  |

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

|                 |                                   |
|-----------------|-----------------------------------|
| <b>Symptoms</b> | No further information available. |
| <b>Effects</b>  | No further information available. |

### 4.3 – Indication of immediate medical attention and special treatment needed

|                  |                                   |
|------------------|-----------------------------------|
| <b>Treatment</b> | No further information available. |
|------------------|-----------------------------------|

## 5 – Fire-fighting measures

### 5.1 – Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | Consider what other flammable materials are present and act accordingly. |
| Unsuitable extinguishing media | Nothing specified.   |

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

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Specific hazards during fire-fighting | Presents no specific fire danger. |
|---------------------------------------|-----------------------------------|

### 5.3 – Advice for fire-fighters

|  |   |
|--|---|
| Special protective equipment for fire-fighters | Consider all other materials in the vicinity. |
|--|---|

## 6 – Accidental release measures

### 6.1 – Accidental release measures

|                      |                            |
|----------------------|----------------------------|
| Personal precautions | Presents no major hazards. |
|----------------------|----------------------------|

### 6.2 – Environmental precautions

|                           |   |
|---------------------------|---|
| Environmental precautions | Presents no major environmental hazard. |
|---------------------------|---|

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

|                |   |
|----------------|---|
| Minor spillage | Wash area down with copious amounts of water. |
| Major spillage | Wash area down with copious amounts of water. |

### 6.4 – Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## 7 – Handling and storage

### 7.1 – Precautions for safe handling

|                              |                          |
|------------------------------|--------------------------|
| Precaution for safe handling | No specific precautions. |
|------------------------------|--------------------------|

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

|   |                                     |
|---|-------------------------------------|
| Requirements for storage areas and containers | Well ventilated, cool, dry storage. |
|---|-------------------------------------|

## 7.3 – Specific end uses

|                 |                  |
|-----------------|------------------|
| Specific use(s) | See section 1.2. |
|-----------------|------------------|

# 8 – Exposure controls/personal protection

## 8.1 – Control parameters

|                         |                          |
|-------------------------|--------------------------|
| Exposure data source(s) | No hazardous components. |
|-------------------------|--------------------------|

## 8.2 – Exposure controls

|                        |   |
|------------------------|---|
| Respiratory protection | Presents no significant inhalation health hazard.   |
| Hand protection        | Use nitrile gloves or PVC gauntlets.  |
| Eye protection         | Use tightly fitting chemical splash proof glasses or goggles.                             |
| Skin protection        | If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special hazards        | No special precautions required.  |

# 9 – Physical and chemical properties

## 9.1 – Information on basic physical and chemical properties

|                          |                        |
|--------------------------|------------------------|
| Appearance               | Clear yellow solution. |
| Odour                    | No specific odour.     |
| pH value                 | 7 @ 20°C.              |
| Melting point            | Not applicable.        |
| Initial boiling point    | Aqueous solution.      |
| Flashpoint               | Not applicable.        |
| Upper flammability limit | Not applicable.        |

|                          |                              |
|--------------------------|------------------------------|
| Lower flammability limit | Not applicable.              |
| Auto ignition            | Not applicable.              |
| Explosive properties     | No.                          |
| Oxidising properties     | No.                          |
| Vapour pressure          | Not applicable.              |
| Relative density         | 1.0000                       |
| Water solubility         | Completely soluble in water. |

## 9.2 – Other information

|                   |                    |
|-------------------|--------------------|
| Other information | No data available. |
|-------------------|--------------------|

## 10.0 – Stability and reactivity

### 10.1 – Reactivity

|            |                    |
|------------|--------------------|
| Reactivity | No data available. |
|------------|--------------------|

### 10.2 – Chemical stability

|                    |                                 |
|--------------------|---------------------------------|
| Chemical stability | Stable under normal conditions. |
|--------------------|---------------------------------|

### 10.3 – Possibility of hazardous reactions

|                                    |                    |
|------------------------------------|--------------------|
| Possibility of hazardous reactions | No data available. |
|------------------------------------|--------------------|

### 10.4 – Conditions to avoid

|                     |                         |
|---------------------|-------------------------|
| Conditions to avoid | No specific conditions. |
|---------------------|-------------------------|

### 10.5 – Incompatible materials

|                        |                                 |
|------------------------|---------------------------------|
| Incompatible materials | No specific materials to avoid. |
|------------------------|---------------------------------|

### 10.6 – Hazardous decomposition products

|                                  |       |
|----------------------------------|-------|
| Hazardous decomposition products | None. |
|----------------------------------|-------|

## 11.0 – Toxicological information

### 11.1 – Information on toxicological effects

|                             |  |
|-----------------------------|--|
| <b>Eyes</b>                 | The liquid may be mildly irritating to the eye.      |
| <b>Skin</b>                 | Presents no significant hazard by skin contact.      |
| <b>LD50 Skin</b>            | Not available.                                       |
| <b>Ingestion</b>            | Presents no significant hazard by ingestion.         |
| <b>LD50 Oral</b>            | Not available.                                       |
| <b>Inhalation</b>           | Presents no significant health hazard by inhalation. |
| <b>LD50 Inhalation</b>      | Not available.                                       |
| <b>TCLo</b>                 | Not available.                                       |
| <b>Carcinogenicity</b>      | Not considered to be carcinogen.                     |
| <b>Mutagenicity</b>         | Not considered to be a mutagen.                      |
| <b>Reproductive effects</b> | None identified.                                     |

## 12.0 – Ecological information

### 12.1 –

|                       |                                   |
|-----------------------|-----------------------------------|
| <b>Toxicity</b>       | No specific environmental hazard. |
| <b>LC50 Algal</b>     | Not available.                    |
| <b>LC52 Crustacea</b> | Not available.                    |
| <b>LC50 Fish</b>      | Not available.                    |

### 12.2 – Persistence and degradability

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Persistence and degradability</b> | No data available. |
|--------------------------------------|--------------------|

### 12.3 – Bio accumulative potential

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Bio accumulative potential</b> | No data available. |
|-----------------------------------|--------------------|

## 12.4 – Mobility in soil

|                  |                    |
|------------------|--------------------|
| Mobility in soil | No data available. |
|------------------|--------------------|

## 12.5 – Results of PBT and vPvB assessment

|      |                          |
|------|--------------------------|
| PBT  | Assessment not required. |
| vPvB | Assessment not required. |

## 12.6 – Other adverse effects

|                       |                        |
|-----------------------|------------------------|
| Other adverse effects | None known at present. |
|-----------------------|------------------------|

# 13.0 – Disposal considerations

## 13.1 – Waste treatment methods

|                        |                                |
|------------------------|--------------------------------|
| Disposal method        | Flush to drain.                |
| Contaminated packaging | Use a licensed waste disposer. |

# 14.0 – Transport information

## 14.1 – UN-number

|           |                 |
|-----------|-----------------|
| UN-number | Non-restricted. |
|-----------|-----------------|

## 14.2 – Proper shipping name

|                      |                 |
|----------------------|-----------------|
| Proper shipping name | Non-restricted. |
|----------------------|-----------------|

## 14.3 – Transport classes

|                         |                 |
|-------------------------|-----------------|
| UN classification       | None.           |
| Subsidiary hazard(s)    | None.           |
| Transport category      | None.           |
| ADR Hazard ID           | Non-restricted. |
| Tunnel Restriction code | Non-restricted. |

#### 14.4 – Packaging group

|                 |       |
|-----------------|-------|
| Packaging group | None. |
|-----------------|-------|

#### 14.5 – Environmental hazards

|                       |                 |
|-----------------------|-----------------|
| Environmental hazards | See section 12. |
|-----------------------|-----------------|

#### 14.6 – Special precautions for user

|                              |                                  |
|------------------------------|----------------------------------|
| Special precautions for user | No special precautions required. |
|------------------------------|----------------------------------|

#### 14.7 – Transport in bulk

|                   |                          |
|-------------------|--------------------------|
| Transport in bulk | Not transported in bulk. |
|-------------------|--------------------------|

### 15.0 – Regulatory information

#### 15.1 – Safety, health and environmental regulations specific for the substance or mixture.

Not classified as hazardous under classification, labelling & packaging of substance & mixtures regulations (1272/2008/CE).

#### 15.2 – Chemical safety assessments

|                             |                          |
|-----------------------------|--------------------------|
| Chemical safety assessments | Assessment not required. |
|-----------------------------|--------------------------|

### 16.0 – Other information


The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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|           |  |
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| Email     | sales@klipspringer.com                                     |
| Website   | www.klipspringer.com                                       |

**Safety Data Sheet in accordance with Regulation (EU) No. 2015/830 and Regulation (EC) No. 1272/2008**

|   |  |               |            |
|---|--|---------------|------------|
| Sheena Britton<br>Technical Compliance Manager<br>Klipspringer<br><b>10-02-22</b> |  | Date of Issue | 10-02-22   |
|   |  | Authorised by | S. Britton |
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|   |  | Revised by    | S. Smith   |