1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

K1220QG: BUFFER POWDER pH=6.87 (6C237)


Company identification: Yokogawa Europe BV Euroweg 2 3825 HD Amersfoort The Netherlands
    Phone: +31 (0)88 4641000 Fax:+31 (0)88 4641111 E-mail: info@nl.yokogawa.com www.yokogawa-europe.com/eu

Emergency: Phone: +31 (0)88 4641000

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>Content</th>
<th>Formula</th>
<th>symbol letters</th>
<th>R phrases</th>
<th>EINECS nr.</th>
<th>CAS nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydrogen Phosphate Dihydrate</td>
<td>56.55%</td>
<td>Na₂HPO₄·2H₂O</td>
<td>n.a.</td>
<td>n.a.</td>
<td>231-448-7</td>
<td>10028-24-7</td>
</tr>
<tr>
<td>Potassium Dihydrogen Phosphate</td>
<td>43.24%</td>
<td>KH₂PO₄</td>
<td>n.a.</td>
<td>n.a.</td>
<td>231-913-4</td>
<td>7778-77-0</td>
</tr>
<tr>
<td>E110 Sunset Yellow</td>
<td>0.21%</td>
<td>C₁₆H₁₀N₂Na₂O₇S₂</td>
<td>n.a.</td>
<td>n.a.</td>
<td>220-491-7</td>
<td>2783-94-0</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Danger classification: Not applicable.
Hazards to man and the environment: Not applicable.

4. FIRST AID MEASURES

After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly rinse with water.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
After swallowing: Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

**Consult a doctor if victim is feeling unwell.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, CO₂, foam, powder.
Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid causing dust.
Environmental precautions: Do not allow product to reach sewage system or water bodies.
Methods for cleaning up: Take up dry and dispose according to local regulations.
Additional information: No dangerous materials are released.

7. HANDLING AND STORAGE

Handling: Prevent formation of dust.
Storage: Store at room temperature, dry conditions and keep well sealed. Store a prepared solution in a chemical resistant bottle.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values: No further data.
Occupational exposure controls: The usual precautionary measures should be adhered to in handling the chemicals.
Respiratory protection: Not necessary if room is well-ventilated.
Hand, eye, skin protection: Wear protective gloves, safety glasses and protective work clothing.
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Crystalline powder</td>
</tr>
<tr>
<td>Color</td>
<td>Orange</td>
</tr>
<tr>
<td>Smell</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH when diluted in 200.00 ml demineralized water</td>
<td>6.865 at 25°C</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

Conditions and materials to avoid: No decomposition if used according to specifications.

Hazardous decomposition products: No dangerous decomposition products known.

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary effect: No irritant effect known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects.

### 12. ECOLOGICAL INFORMATION

No ecological problems are to be expected when the product is handled and used with due care and attention.

### 13. DISPOSAL CONSIDERATIONS

May not be disposed together with household garbage, or to reach sewage system. Dispose according to local regulations.

### 14. TRANSPORT INFORMATION

Not subject to transport regulations.

### 15. REGULATORY INFORMATION

Danger classification: Not applicable.

List of relevant Risk phrases: Not applicable.

List of relevant Safety phrases: Not applicable.

Designation according to EC guidelines:

The material is not subject to classification according to EC lists and other sources of literature known to us. Observe the normal safety regulations when handling chemicals.

Water hazard class 1: slightly hazardous for water. Do not allow to enter waters, waste water or soil.

### 16. OTHER INFORMATION

The above information is based on the present state of knowledge and is believed to be correct. Its purpose is to characterize the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The material safety data sheets will be available in other languages on our website.