### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. **Product identifier**
   - Demo pack Formalin System

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
   - **Use of the substance/mixture**
     - For demonstration purposes, only.
   - **Uses advised against**
     - Not suited for tissue fixation.

1.3. **Details of the supplier of the safety data sheet**
   - **Company name:** SARSTEDT AG & Co.
   - **Street:** Sarstedtstraße 1
   - **Place:** D-51588 Nümbrecht
   - **Post-office box:**
     - 1220
     - D-51582 Nümbrecht
   - **Telephone:** +49 (0)2293 / 305 - 0
   - **Telefax:** +49 (0)2293 / 305 - 2470
   - **e-mail:** info@sarstedt.com
   - **Contact person:** Dr. Dagmar Flach
   - **Telephone:** +49 (0)2293 / 305 - 4500
   - **Jochen Hoffmann**
   - **e-mail:** sicherheitsdatenblatt@sarstedt.com
   - **Internet:** www.sarstedt.com
   - **Responsible Department:** R & D Center

1.4. **Emergency telephone number:**
   - Poison Center in Bonn (Germany): +49 (0)228 / 19240

### SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture**
   - This mixture is not classified as hazardous according to Directive 1999/45/EC.
   - **Classification according to Regulation (EC) No. 1272/2008 [CLP]**
     - This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. **Label elements**
   - **Additional advice on labelling**
     - none

### SECTION 3: Composition/information on ingredients

3.2. **Mixtures**
Hazardous components

<table>
<thead>
<tr>
<th>EC No</th>
<th>Chemical name</th>
<th>Classification according to Directive 67/548/EEC</th>
<th>Index No</th>
<th>Classification according to Regulation (EC) No. 1272/2008 (CLP)</th>
<th>REACH No</th>
<th>CAS No</th>
<th>Classification according to Regulation (EC) No 1907/2006</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>204-589-7</td>
<td>2-phenoxyethanol</td>
<td></td>
<td></td>
<td></td>
<td>122-99-6</td>
<td>Xn - Harmful, Xi - Irritant R22-36</td>
<td>1 - &lt; 5 %</td>
</tr>
<tr>
<td></td>
<td>603-098-00-9</td>
<td>Acute Tox. 4, Eye Irrit. 2; H302 H319</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation
Provide fresh air.

After contact with skin
Wash with plenty of water. Change contaminated clothing.

After contact with eyes
Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion
Rinse mouth immediately and drink plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information
Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
The usual precautions are to be adhered to when handling chemicals.
7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6</td>
<td>Propane-1,2-diol, particulates</td>
<td>-</td>
<td>10</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Protective and hygiene measures
Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: blue
Odour: characteristic

Test method

pH-Value: not determined

Changes in the physical state
Initial boiling point and boiling range: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no data available on the mixture itself.

10.2. Chemical stability

There are no data available on the mixture itself.

10.3. Possibility of hazardous reactions

There are no data available on the mixture itself.

10.4. Conditions to avoid

There are no data available on the mixture itself.

10.5. Incompatible materials

There are no data available on the mixture itself.

10.6. Hazardous decomposition products

There are no data available on the mixture itself.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Species</th>
<th>Dose</th>
<th>Method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxyethanol</td>
<td>122-99-6</td>
<td>Rat</td>
<td>LD50</td>
<td>1850 mg/kg</td>
<td>oral</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rabbit</td>
<td>LD50</td>
<td>&gt;2000 mg/kg</td>
<td>dermal</td>
</tr>
</tbody>
</table>

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

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

STOT-single exposure
Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

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

Additional information on tests
The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Aquatic toxicity</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxyethanol</td>
<td>122-99-6</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>220 - 460 mg/l</td>
<td>Leuciscus idus</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>&gt; 500 mg/l</td>
<td>Scenedesmus sp.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>&gt; 500 mg/l</td>
<td>Daphnia magna</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxyethanol</td>
<td>122-99-6</td>
<td>1.16</td>
</tr>
</tbody>
</table>

Further information
The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Advice on disposal
Do not allow to enter into surface water or drains. Disposal is effected according to the instructions of the department in charge of disposal.
Contaminated packaging
Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)
14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Inland waterways transport (ADN)
14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Marine transport (IMDG)
14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO)
14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
The mixture is not intended for bulk haulage.

SECTION 15: Regulatory information

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

EU regulatory information
1999/13/EC (VOC): 1 %

National regulatory information
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes
The telephone and fax numbers of the company have been updated.

Relevant R-phrases (Number and full text)
22 Harmful if swallowed.
36 Irritating to eyes.

Relevant H- and EUH-phrases (Number and full text)
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)