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

1.1. Product identifier
- Product form: Substance
- Trade name: PHENYLEPHRINE CRS
- EC no: 200-424-8
- CAS No: 59-42-7
- Product code: P1240000
- Other means of identification: RTECS No: MU1400000

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

1.2.1. Relevant identified uses
- Main use category: The product is intended for research, analysis and scientific education.
- Use of the substance/mixture: For professional use only
- Function or use category: Laboratory chemicals

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
European Directorate for the Quality of Medicines & Healthcare
EDQM, Council of Europe
F-67081 Strasbourg
T +33(0)388412035 - F +33(0)388412771

1.4. Emergency telephone number
- Emergency number: +44(0)1235239670

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
- Acute Tox. 4 (Oral): H302
- Eye Irrit. 2: H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC
- Xn; R22
- Xi; R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects
No additional information available
PHENYLEPHRINE CRS
Safety Data Sheet

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

![GHS07]

Signal word (CLP): Warning
Hazard statements (CLP):
- H302 - Harmful if swallowed
- H319 - Causes serious eye irritation
Precautionary statements (CLP):
- P264 - Wash hands and other exposed areas thoroughly after handling
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P301+P351+P338 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P330 - Rinse mouth
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P501 - Dispose of contents/container to: Hazardous waste. Comply with applicable regulations

2.3. Other hazards

Other hazards not contributing to the classification:
- Exposure may produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHENYLEPHRINE</td>
<td>(Main constituent)</td>
<td>≤ 100</td>
<td>Classification according to Directive 67/548/EEC</td>
</tr>
<tr>
<td>(CAS No) 59-42-7</td>
<td>(EC no) 200-424-8</td>
<td></td>
<td>Xn; R22</td>
</tr>
<tr>
<td>(Main constituent)</td>
<td></td>
<td></td>
<td>Xi; R36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHENYLEPHRINE</td>
<td>(Main constituent)</td>
<td>≤ 100</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>(CAS No) 59-42-7</td>
<td>(EC no) 200-424-8</td>
<td></td>
<td>Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

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

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation: Move to fresh air in case of accidental inhalation. Assure fresh air breathing.
- First-aid measures after skin contact: Rinse skin with water/shower.
- First-aid measures after eye contact: Rinse with water while holding the eyes wide open. Contact lenses should be removed.
- First-aid measures after ingestion: Rinse mouth out with water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: See Heading 2.

4.3. Indication of any immediate medical attention and special treatment needed

In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Precautionary measures for fire fighters: Small amounts: Use normal individual fire protective equipment. Large amounts: Not applicable.
- Firefighting instructions: Dilute with water.
## SECTION 6: Accidental release measures

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

**General measures**: Avoid raising dust. Wear suitable protective clothing, gloves and eye or face protection. Large amounts: Not applicable.

#### 6.1.1. For non-emergency personnel

**Protective equipment**: See Headings 7 and 8.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

No additional information available

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

**Methods for cleaning up**: Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Ensure waste is collected and contained. Clean thoroughly. Clean with water.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Additional hazards when processed**: Small amounts: See Heading 1. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Precautions for safe handling**: Handle and open container with care. See Heading 8.

**Hygiene measures**: Handle in accordance with good industrial hygiene and safety procedures.

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

**Technical measures**: Comply with applicable regulations.

**Storage conditions**: To guarantee the quality and properties of the product, keep dry. Keep in a cool, well-ventilated place away from heat. Store in original container.

**Incompatible products**: Strong oxidizing agents.

### 7.3. Specific end use(s)

See Heading 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

**Hand protection**: Gloves.

**Skin and body protection**: Lab coat.

**Respiratory protection**: Quarter mask (DIN EN 140).
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Crystalline powder, white, Powder.</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>174 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: ≥ 1 mg/l</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Small amounts: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. Large amounts: Not applicable.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Small amounts: None under normal use. Large amounts: Not applicable.

10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Large amounts: Not applicable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Harmful if swallowed.</td>
</tr>
</tbody>
</table>

**PHENYLEPHRINE CRS (59-42-7)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>350 mg/kg</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>500,000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified
**PHENYLEPHRINE CRS**
Safety Data Sheet

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Potential Adverse human health effects and symptoms</td>
<td>Avoid any direct contact with the product. Small amounts: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. Large amounts: Not applicable.</td>
</tr>
</tbody>
</table>

**SECTION 12: Ecological information**

*12.1. Toxicity*
- **Ecology - general**: Small amounts: See Heading 2. Large amounts: Not applicable.
- **Ecology - water**: Soluble in water.

*12.2. Persistence and degradability*
No additional information available

*12.3. Bioaccumulative potential*
No additional information available

*12.4. Mobility in soil*
No additional information available

*12.5. Results of PBT and vPvB assessment*
No additional information available

*12.6. Other adverse effects*
No additional information available

**SECTION 13: Disposal considerations**

*13.1. Waste treatment methods*
Regional legislation (waste): Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14: Transport information**

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

*14.1. UN number*
No dangerous good in sense of transport regulations

*14.2. UN proper shipping name*
Not applicable

*14.3. Transport hazard class(es)*
Not applicable

*14.4. Packing group*
Not applicable

*14.5. Environmental hazards*
Other information: No supplementary information available.

*14.6. Special precautions for user*

*14.6.1. Overland transport*
No additional information available

*14.6.2. Transport by sea*
No additional information available

*14.6.3. Air transport*
No additional information available

*14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code*
Not applicable
## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>R36</td>
<td>Irritating to eyes</td>
</tr>
<tr>
<td>Xi</td>
<td>Irritant</td>
</tr>
<tr>
<td>Xn</td>
<td>Harmful</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.