# Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th><strong>Product No.</strong></th>
<th>R30852801</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trade name</strong></td>
<td>Phytohaemagglutinin PURIFIED</td>
</tr>
</tbody>
</table>
| **Manufacturer**| Oxoid Limited  
Wade Road  
Basingstoke  
Hants RG24 8PW  
ENGLAND  
Tel: + 44 (0)1256 841144  
Fax: + 44 (0)1256 463388 |
| **Supplier**    | Oxoid Limited  
Wade Road  
Basingstoke  
Hants RG24 8PW  
ENGLAND  
Tel: + 44 (0)1256 841144  
Fax: + 44 (0)1256 463388 |

# Section 2. Hazards Identification

<table>
<thead>
<tr>
<th><strong>Most Important Hazards</strong></th>
<th>Not classified as hazardous.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Human health hazards - Skin</strong></td>
<td>Material may cause slight irritation on prolonged or repeated contact.</td>
</tr>
<tr>
<td><strong>Human health hazards - Ingestion</strong></td>
<td>A large dose may have the following effects: diarrhoea, nausea, vomiting.</td>
</tr>
</tbody>
</table>

# Section 3. Composition, Information on Ingredients

| **Hazardous ingredients** | This preparation does not contain any substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC. |

# Section 4. First Aid Measures

<table>
<thead>
<tr>
<th><strong>First Aid - Eyes</strong></th>
<th>Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Aid - Skin</strong></td>
<td>Wash skin with soap and water.</td>
</tr>
<tr>
<td><strong>First Aid - Ingestion</strong></td>
<td>Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents.</td>
</tr>
<tr>
<td><strong>First Aid - Inhalation</strong></td>
<td>Remove from exposure. Seek medical attention if you feel unwell.</td>
</tr>
</tbody>
</table>

# Section 5. Fire Fighting Measures

<table>
<thead>
<tr>
<th><strong>Extinguishing Media - Suitable</strong></th>
<th>Use water spray, foam, dry chemical or carbon dioxide.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Protection of fire-fighters</strong></td>
<td>Be sure to use an approved/certified respirator or equivalent.</td>
</tr>
</tbody>
</table>

# Section 6. Accidental Release Measures

<table>
<thead>
<tr>
<th><strong>Personal Precautions</strong></th>
<th>Wear appropriate protective clothing. Safety glasses or chemical goggles to EN166, 167 and 168. Disposable vinyl gloves.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spill</strong></td>
<td>Sweep up into suitable containers for recovery or disposal.</td>
</tr>
</tbody>
</table>
Section 7. Handling and Storage

Handling: Avoid contact with eyes, skin and clothing.
Storage: Store in a refrigerator at 2 to 8 °C (36 to 46° F).

Section 8. Exposure Controls, Personal Protection

Protective Measures - Respiratory: None required; however, use of adequate ventilation is good industrial practice.
Protective Measures - Hands: Disposable vinyl gloves.
Protective Measures - Eyes: Recommended: Safety glasses or chemical goggles to EN166, 167 and 168.
Protective Measures - Body: Lab coat.

Section 9. Physical and Chemical Properties

Physical state: Pellets.
Colour: White.
pH: 6.7 - 6.9
Solubility - Water: Soluble
Flammability: Not combustible.

Section 10. Stability and Reactivity

Stability: Stable under recommended storage and handling conditions (see section 7).
Hazardous decomposition products: carbon oxides (CO, CO2)

Section 11. Toxicological Information

Acute toxicity: Low order of acute toxicity. Oral LD50 (rat) > 2000 mg/kg. Dermal LD50 (rabbit) > 2000 mg/kg. Inhalation LC50 (rat) > 20 mg/litre/4h.
Eye irritation: The degree of irritation was insufficient to warrant labelling as an eye irritant.
Skin irritation: The degree of irritation was insufficient to warrant labelling as a skin irritant.

Section 12. Ecological Information

Ecotoxicity: No relevant studies identified.

Section 13. Disposal Considerations

Disposal considerations: Non-hazardous waste. Dispose of according to all federal, state and local applicable regulations.
Container information: Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.
Section 14. Transport Information

<table>
<thead>
<tr>
<th>UN</th>
<th>UN number</th>
<th>Not regulated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
<td>Subsidiary Risk</td>
<td>-</td>
</tr>
<tr>
<td>IATA</td>
<td>Subsidiary Risk</td>
<td>-</td>
</tr>
</tbody>
</table>

Section 15. Regulatory Information

- **EC Classification**: This preparation is not classified as dangerous according to the EC Directive 88/379/EEC.
- **Regulatory Lists (United States)**: Not on TSCA list.
- **United States - Classification**: Not classified.
- **Regulatory Lists (Canada)**: No products were found.
- **WHMIS (Classification)**: Not controlled under WHMIS (Canada).

Section 16. Other Information

- **MSDS first issued**: 07/03/2005
- **MSDS data revised**: 08/09/2009
- **Revisions Highlighted**: Date of issue
- **Notes**: Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.