Material Safety Data Sheet

1. Product Identification
   Product Name: Hemosafe SLS (Haemoglobin Diluting Reagent)
   Catalog Number: HS1000

2. Composition / Information on Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>% W/V</th>
<th>Exposure Limits in Air</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TLV</td>
</tr>
</tbody>
</table>

Reagent 1: No Hazardous components >1% (0.1% carcinogen)

Reagent 2: N/A

Reagent 3: N/A

Reagent 4: N/A

Reagent 5: N/A

3. Hazard Identification

Primary Routes of Entry:
Inhalation, ingestion, skin and / or eye contact.

Inhalation:
No adverse health reactions are expected if inhalation occurs during the normal use of this product.

Ingestion:
No adverse health reactions are expected if ingestion occurs during the normal use of this product.

Skin Contact:
No adverse health reactions are expected if skin contact occurs during the normal use of this product.

Eye Contact:
May cause irritation.
Chronic Exposure:
N/A

Medical Conditions Aggravated by Exposure:
N/A

Health Effects:
This product does not present a physical hazard or health hazard under reasonably anticipated circumstances of use or under emergency situations involving a release of only this product. There is no evidence that the ingredient(s) which comprise less than 1 % (0.1% carcinogens) could be released from the mixture in concentrations which would exceed an OSHA PEL or ACGIH TLV, or could present a health risk. Therefore, this material is not defined as a “Hazardous chemical” by the OSHA Hazard Communication Standard (29 CFR 1910.2000) or equivalent standards generated by state agencies.

4. First Aid Measures

Inhalation:
If breathing becomes difficult, remove victim to fresh air. Seek medical attention immediately.

Ingestion:
Get medical attention if there has been ingestion of this product.

Skin Contact:
N / A

Eye Contact:
Although no adverse health reactions are expected from the normal use of this product. It is recommended flush eyes with water and seek medical advice whenever there has been a potential injury to the eye.

5. Fire Fighting Measures

Flash Point (Method used): N/A  Flammable Limits – LEL: N/A  UEL: N/A

Extinguishing Media:
Use fire extinguishing media appropriate for site conditions.

Special Fire Procedures:
Structural firefighting gear and self-contained breathing apparatus will provide adequate protection if this product is in a fire area.

Unusual Fire and Explosion Hazards:
N/A

6. Accidental Release Measures

Steps to be taken in case material is Released or Spilled:
Use an absorbent material to contain / pick up the spilled solution. Place all contaminated disposable into a suitable container, seal, label, and hold for disposal.

7. Handling and Storage

Store at 2 – 8 °C. Refer to packet insert for additional information on handling and storage procedures.

8. Exposure Controls and Personal Protection

Ventilation Data:
Supplemental ventilation is not required for the normal use of this product.

Respiratory Protection:
Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow OSHA respirator regulations (29CFR1910.134) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide worker protection for given working conditions, level of airborne concentration, and presence of sufficient oxygen.
Protective Gloves:
Although chemical protective gloves are not required under the normal use of this product. It is always good lab protocol to use appropriate protective gloves.

Other Protective Equipment:
Use body protection appropriate for task, such as a lab coat. Wear appropriate eye protection to prevent eye contact.

Other Engineering Controls:
Eye wash stations and deluge showers.

Work Practices:
Good laboratory technique should be used when handling this product. Observe appropriate chemical hygiene. Avoid contact with eyes or skin. Do not place in mouth.

Hygienic Practices:
Do not eat, drink, or smoke while working with product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

<table>
<thead>
<tr>
<th>9. Physical And Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>For All Components Unless Otherwise Indicated</td>
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</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Vapour density (air = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (water = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Vapour Pressure, mm Hg @ 20°C</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation rate (nBuAc = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Freezing / Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
</tbody>
</table>

9. Odour and Appearance Information
Reagent 1: N/A
Reagent 2: N/A
Reagent 3: N/A
Reagent 4: N/A
Reagent 5: N/A

10. Stability and Reactivity
Incompatibility (Materials to Avoid):
N/A

Hazardous Decomposition Products:
N/A

Will Hazardous Polymerization Occur?
Hazardous polymerization will not occur.

Conditions to Avoid / Polymerization:
N/A

Is the Product Stable?
Yes, under normal handling and storage conditions.

Conditions to Avoid/stability
N/A
11. Toxicological Information

Toxicity Data:
N/A

Reproductive effects:
N/A

Target organ Effects:
N/A

Carcinogenicity: No

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>% W/V</th>
<th>NTP Carcinogen</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
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</table>

12. Ecological Information

Environmental Fate / Stability:
N/A

Effect of Material on plants or animals:
N/A

Effect of Chemical on Aquatic Life:
N/A

13. Disposal Considerations

EPA Waste Number and Proper Waste Disposal Method:
Please consult local, state and federal regulations for additional guidance on disposal.

14. Transportation Information

Is this Material Hazardous? Not regulated under transportation regulations.

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Hazard Class Number</th>
<th>Packing Group</th>
<th>UN Number</th>
</tr>
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<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

15. Regulatory Information

NA.

16. Other Information

NA => NOT APPLICABLE or NO INFORMATION