Material Safety Data Sheet

Product: LABSAFE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING
   Manufacturer: BioShields - A Division of Tulip Diagnostics Pvt. Ltd.
   Plot No. M – 46, Phase III B,
   Verna Industrial Estate,
   Verna, Goa, 403 722,
   INDIA.
   Product name: LABSAFE
   Synonyms: Disinfectant Solution for Laboratoryware

2. COMPOSITION / INFORMATION ON INGREDIENTS
   The ingredients at their given percentages in this product are not considered hazardous to your health.
<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>5.0</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION
   May be fatal if inhaled, swallowed or absorbed through the skin. Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

4. FIRST AID MEASURES
   **Eye contact**: In the case of contact with eyes, wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek medical attention.
   **Ingestion**: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.
   **Inhalation**: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
   **Skin contact**: Remove contaminated clothing. Wash exposed area with soap and water. Seek medical attention if required.

5. FIRE – FIGHTING MEASURES
   **Flash point (°C)**: Not determined.
   **Autoignition temperature**: Not determined.
   **Flammable limits in air - lower (%)**: Not determined.
   **Fire fighting information**: Suitable extinguishing media - Water spray, Carbon dioxide, dry chemical, powder, foam.
   **Extinguishing media which must not be used for safety reasons**: None.
   **Special protective equipment for firefighters**: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.
   **Hazardous combustion products**: Emits toxic fumes under fire conditions.

This Document is the property of Tulip Diagnostics (P) Ltd., Goa. It must be handled as classified and not derived or recreated in whole or in part in any way without permission of the company.
6. ACCIDENTAL RELEASE MEASURES
   Wear protective clothing and respiratory protection from mists. Cover with soda or lime. Keep in closed container and hold for disposal.

7. HANDLING AND STORAGE
   Store in a cool, dry place away from fire and flame. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
   - **Eye protection**: Splash goggles/Safety glasses required.
   - **Hand protection**: Solvent resistant gloves as neoprene or nitrile.
   - **Skin and body protection**: Wear appropriate clothing to prevent skin and body exposure.
   - **Respiratory protection**: Organic Vapour cartridge.
   - **Other/general protection**: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES
   - **Appearance**: Clear liquid
   - **Physical state**: Liquid
   - **Colour**: Dark Pink
   - **pH**: 4.5 – 5.5
   - **Odor**: Phenolic
   - **Water solubility**: Soluble

10. STABILITY AND REACTIVITY
    - **Chemical stability**: Stable under recommended storage conditions.
    - **Hazard polymerization**: Hazardous polymerization not known to occur.
    - **Hazardous decomposition products**: Oxides of carbon.
    - **Materials to avoid**: Strong oxidizing agents, bases, acids.
    - **Conditions to avoid**: Heat, open flame and light.

11. TOXICOLOGICAL INFORMATION
    - **Systemic toxicity**: can result from ingestion of solutions, or from inhalation or cutaneous absorption of solutions or vapour. This is characterized by an initial excitatory phase, rapidly progressing to fulminating CNS depression with coma.
    - **Chronic exposure**: may result in vomiting, difficulty swallowing, excess salivation, diarrhea, anorexia, weight loss; headache, fainting, vertigo, mental disturbances; muscle aches and pain, weakness; damage to liver and kidney, dark urine.

12. ECOLOGICAL INFORMATION
    - **Ecotoxicity effects**: Not determined.
    - **Aquatic toxicity effects**: Prevent the product from reaching surface or underground water.

13. DISPOSAL CONSIDERATIONS
    This product may be disposed of in accordance with the regulations laid down by the local regulatory authority.
14. TRANSPORT INFORMATION

DOT: Phenol Solution, 6.1, UN2821, PG II
IATA/ICAO: Phenol Solution, 6.1, Toxic, UN2821, PGII

15. REGULATORY INFORMATION

Labeling: For External Use Only.
Safety Phrases: Avoid contact with the mucous membrane. In case of contact, wash immediately with plenty of water and seek medical attention.

16. OTHER INFORMATION

Additional advice: None
Literary Reference: None

Disclaimer:
The information and recommendations contained herein are based upon tests believed to be reliable. However, BioShields, A Division of Tulip Diagnostics (P) Ltd. does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage maybe required. BioShields, A Division of Tulip Diagnostics (P) Ltd. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet