1. Identification

Product Name: Starswab Multitrans Viral Collection and Transport System

Date Issued: May 29, 2015


Intended Use: For the collection and transport of viruses, chlamydiae, mycoplasmas, and ureaplasmas obtained from clinical specimens. It is intended as an aid in the diagnosis of diseases associated with infectious organisms.

Supplier: STARPLEX SCIENTIFIC INC.

PHONE NUMBER: 1-800-665-0954

FAX NUMBER: (416) 674-6067

50A STEINWAY BLVD,
ETOBIQUE, ONTARIO,
M9W 6Y3

Information Department: QA Technical Services

Emergency Information: In case of chemical emergency, spill, fire, exposure or accident, contact Starplex Scientific Inc. (416) 674-7474 or 1-800-665-0954.

2. Hazard(s) Identification

Information pertaining to particular dangers for man and the environment

Classification of the mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EEC

This product contains no hazardous constituents, or the concentration of all chemical constituents is below the regulatory threshold limits described in the Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200, Canada's Workplace Hazardous Materials Information System (WHMIS) and the European Directive 67/548/EEC and 1999/45/EC.

3. Composition/Information on Ingredients

This product is a mixture of the substances listed below with the addition of non-hazardous materials.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>% of Medium (per litre)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amphotericin</td>
<td>1397-89-3</td>
<td>0.002 %</td>
<td>R36/37, R23/24/25</td>
</tr>
<tr>
<td>Bovine Serum Albumin</td>
<td>9048-46-8</td>
<td>6 %</td>
<td>R20/21/22, R36</td>
</tr>
<tr>
<td>Colistin</td>
<td>1264-72-8</td>
<td>0.009 %</td>
<td>R23/24/25</td>
</tr>
<tr>
<td>Dimethyl Sulfoxide</td>
<td>67-68-5</td>
<td>4 %</td>
<td>R10</td>
</tr>
<tr>
<td>Gelatin-300</td>
<td>9000-70-8</td>
<td>0.5 %</td>
<td>R20/21/22, R36</td>
</tr>
<tr>
<td>L-Glutamic</td>
<td>56-86-0</td>
<td>0.07 %</td>
<td>R20/21/22, R36</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-8</td>
<td>0.035 %</td>
<td>R20/21/22, R36</td>
</tr>
<tr>
<td>Sucrose</td>
<td>57-50-1</td>
<td>6.85 %</td>
<td>R37</td>
</tr>
<tr>
<td>HEPES, Sodium Salts</td>
<td>75277-39-3</td>
<td>0.34 %</td>
<td>R38</td>
</tr>
<tr>
<td>Hank’s Balanced Salts</td>
<td>N/A</td>
<td>0.98 %</td>
<td>R36/38, R22</td>
</tr>
<tr>
<td>Vancomycin</td>
<td>1404-93-9</td>
<td>1.08 %</td>
<td>R10</td>
</tr>
</tbody>
</table>
4. First Aid Measures

**General Information:** No special measures required.

**Ingestion:** If swallowed seek medical attention if symptoms occur.

**Inhalation:** If inhaled seek medical attention if symptoms occur.

**Eye Contact:** Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before re-use. Seek medical attention if irritation develops.

5. Firefighting Measures

**Extinguishing Media:** Use CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special Hazards arising from the mixture:** No further relevant information available.

**Protective Equipment:** No special measures required.

6. Accidental Release Measures

**Personal Precautions:** Personal protective equipment not required.

**Environmental Precautions:** Wipe up with damp sponge or mop.

**Methods and Material for Containment and Clean-up:** No special measures required.

7. Handling and Storage

**Handling:** No special measures required.

**Storage:** Units should be stored at 2° - 25°C (36° -77°F) for optimal shelf life. Check expiration date.

**Information about storage in one common storage facility:** Store away from oxidizing agents.

**Other Precautions:** No special measures required.

8. Exposure Controls/Personal Protection

**Components with limit values that require monitoring the workplace.**

The Multitrans Transport System product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional Information:** The Personal Protective Equipment listed below supports general requirements for laboratory personnel. Follow the usual precautionary measures for handling microbiological products. Avoid contact with eyes, skin and clothing. Keep away from food and beverages. Wash hands before and after performing any work in the laboratory.

**Personal Protective Equipment:**
- **Breathing Equipment:** N/A
- **Hand Protection:** Use chemically resistant gloves or equivalent as required for aseptic technique
- **Eye Protection:** May wear safety glasses or goggles
- **Body Protection:** Wear lab coat
9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odour</td>
<td>Light pink liquid contained in a sterile plastic capped vial.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto Igniting</td>
<td>Not self-igniting</td>
</tr>
<tr>
<td>Danger of Explosion</td>
<td>Does not present an explosion hazard</td>
</tr>
<tr>
<td>Solvent Content</td>
<td>Organic solvents 0.0%</td>
</tr>
<tr>
<td>Valves</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Volume</td>
<td>100mL</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

**Thermal decomposition/ Conditions to be Avoided:** No decomposition if used according to specifications.

**Incompatible Materials:** Strong Oxidizers

**Hazardous decomposition or by products:** No dangerous decomposition products known.

11. Toxicological Information

**Irritant:** No irritating effect on eyes, skin and mucous membranes

**Sensitization:** No sensitizing effects known

**Additional toxicological information:** This product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to historical information and experience.

12. Ecological Information

**Aquatic Toxicity:** No further relevant information available. Generally not hazardous for water.

**Ecotoxicological Effects:** The ecological effects have not been thoroughly investigated, but currently none have been identified.

13. Disposal Considerations

**Waste Disposal Method:** Disposal of inoculated tubes should comply with provincial, state and local laws. Autoclave at 121°C or immerse in bacterial solution and dispose in a biohazard bag.

14. Transport Information

**DOT Regulations:** Not regulated

**Maritime Transport IMDG:** Not regulated

**Air Transport ICAO-TI/ IATA-DGR:** Not regulated

**TDG (Transport dangerous goods):** Not regulated

**Marine Pollutant :** No

15. Regulatory Information

**SARA Section 355 ( extremely hazardous substances):** None of the ingredients are listed

**SARA Section 313 ( specific toxic chemical listings):** None of the ingredients are listed

**TSCA ( Toxic Substance Control Act):**
- 7732-18-5 Water
- 57-50-1 Sucrose
- 9000-70-8 Gelatin
- 75277-39-3 HEPES, Sodium Salts
56-86-0 Glutamic Acid
144-55-8 Sodium Bicarbonate
1404-93-9 Vancomycin
1397-89-3 Amphotericin B
1264-72-8 Colistin
67-68-5 Dimethyl Sulfoxide
N/A Hank’s Balanced Salts
9048-46-8 Bovine Serum Albumin

**Carcinogenic Categories: NTP (National Toxicology Program):** None of the ingredients listed are above the regulatory threshold

**TLV (Threshold Limit Value established by ACGIH):**
57-50-1 Sucrose A4

**Canadian Substance Listings:**

**Canadian Domestic Substance List (DSL):**
7732-18-5 Water
57-50-1 Sucrose
9000-70-8 Gelatin
N/A Hank’s Balanced Salts
67-68-5 Dimethyl Sulfoxide
75277-39-3 HEPES, Sodium Salts
56-86-0 Glutamic Acid
144-55-8 Sodium Bicarbonate
1404-93-9 Vancomycin
1397-89-3 Amphotericin B
9048-46-8 Bovine Serum Albumin
1264-72-8 Colistin

**Canadian Ingredient Disclosure List (Limit 0.1%):** None of the ingredients are listed

**Canadian Ingredient Disclosure List (Limit 1.0%):** None of the ingredients are listed

16. Other Information

The information in this safety data sheet has been obtained from current and reliable sources. However, the data is provided without warranty, express or implied, regarding its correctness or accuracy. It is the users’ responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.