# Material Safety Data Sheet

## 1. Product and Company Information

<table>
<thead>
<tr>
<th>Applicable Products</th>
<th>The following data sheet contains safety information for the following: replication incompetent, VSVg or murine ecotropic pseudotyped retrovirus vectors.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Numbers</td>
<td>00-0042, 00-0065, 00-0068, 07-0042, 07-0043, 07-0044, 07-0045, 07-0046, 07-0055, 07-0056, 07-0057, 07-0058, 07-0059</td>
</tr>
<tr>
<td>Synonyms</td>
<td>Murine Leukemia Virus (MuLV)</td>
</tr>
<tr>
<td>Manufacturer/Supplier</td>
<td>Stemgent 10575 Roselle Street San Diego, CA 92121 USA</td>
</tr>
<tr>
<td></td>
<td>Stemgent 790 Memorial Drive, Suite 102 Cambridge, MA 02139 USA</td>
</tr>
<tr>
<td>In Case of Emergency Call</td>
<td>+1.760.707.7582</td>
</tr>
<tr>
<td>Date Effective</td>
<td>April 13, 2011</td>
</tr>
<tr>
<td>Prepared by</td>
<td>Safety</td>
</tr>
</tbody>
</table>

## 2. Composition/Information on Ingredients

### Composition

Each virus stock solution contains a pure recombinant, replication-defective retrovirus population. The viruses are classified as Risk Group 2 by the World Health Organization (WHO). The viruses may cause human infection and may pose a hazard to laboratory personnel, but are unlikely to spread in the community.

## 3. Hazards Identification

### Potential Health Effects

- **Eye**: May cause eye irritation.
- **Skin**: May be harmful if absorbed through the skin.
- **Inhalation**: May be harmful if inhaled.
- **Ingestion**: May be harmful if swallowed.

### Chronic Effects/Carcinogenicity

Not available

### OSHA Regulatory Status

Not available

## 4. First Aid Measures

### Eyes

Check for and remove contact lenses. In case of contact, immediately flush thoroughly with water for at least 15 minutes. Call a physician.

### Skin

In case of contact, immediately wash skin thoroughly with soap and water. Remove contaminated clothing and shoes and wash before use. Contact a physician.

### Ingestion

If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.

### Inhalation

If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.

### Puncture Wounds

Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.

### Note to Physician

Not available.

## 5. Fire Fighting Measures

Not applicable

## 6. Accidental Release Measures
Material Safety Data Sheet

Leak and Spill Procedure
In case of accidental spillage, contain the spilled material and immediately notify nearby personnel of the incident. Decontaminate the spillage by flooding and soaking the spilled material with a suitable disinfectant. Allow sufficient time for the biocidal activity of the disinfectant. Clean the area and material using disposable paper towels or tissues. Towels and tissues contaminated with the retroviruses should be treated as biohazardous materials.

7. Handling and Storage
Handling
The retrovirus preparation may, under certain circumstances, produce disease. Proper techniques must be employed to avoid exposure and contact with the retrovirus. The laboratory must be equipped, and have the facilities to receive, process, maintain, store and dispose of biohazardous materials. The laboratory personnel using these devices must be trained, experienced and demonstrate proficiency in processing, maintaining, storing and disposing of biohazardous materials. It is the responsibility of the institution of the end user to determine the containment level and special practices appropriate for the procedure being performed and the level of training of laboratory personnel.

Storage
Store at -80°C.

8. Exposure Controls/Personal Protection
Good laboratory practices must be observed and followed at all times. The use of a Class II biological safety cabinet, the prevention of aerosols and the use of gloves, safety glasses, moisture impervious aprons, and other protective clothing must be dictated by the institutional standard operating procedures.

9. Physical/Chemical Properties
Appearance
Frozen liquid.

Color
Yellow to pink or colorless.

10. Stability/Reactivity
Not applicable.

11. Toxicological Information
Not applicable.

12. Ecological Information
Not applicable.

13. Disposal Considerations
Waste Disposal Method
Waste must be disposed of in accordance with federal, state, and local environmental control regulations for biohazardous material.

14. Transport Information
Proper Shipping Name:
Biological Substance, Category B
Hazard Class:
6.2 (9 If packaged with dry ice)
UN Number:
UN 3373
Packing Instruction:
650
15. Regulatory Information

| Not listed. |

16. Other Information

<table>
<thead>
<tr>
<th>Notice</th>
<th>We advise the following precautions in the laboratory. Whenever conducting experiments using retroviral vectors, it is recommended that they be performed, at minimum, using a Class II biosafety cabinet. Always follow institutional policies and procedures regarding use and disposal of biohazardous material. Stemgent shall not be held liable for any damage resulting from handling or from contact with the product. Please refer to the Stemgent website for terms and conditions of sale.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclaimer</td>
<td>For research use only. Not for use in diagnostic or therapeutic applications.</td>
</tr>
</tbody>
</table>

END OF SAFETY DATA SHEET