SECTION I – PRODUCT & COMPANY IDENTIFICATION

Product Name: TGIRT™-III Reverse Transcriptase  
Product Number: TGIRT  
Manufacturer: InGex, LLC  
1324 Ashby Rd.  
St. Louis, MO 63132  
Telephone: +1 314-720-1082  
Fax: +1 314-890-0503  
Email: tgirt@ingex.com

SECTION II – HAZARD(S) IDENTIFICATION

Emergency Overview OSHA  
Hazards Target  
Organ Effect Target  
Organs Kidney  
GHS Classification  
Skin irritation (Category 3)  
Eye irritation (Category 2B)  
GHS Label elements, including precautionary statements  
Pictogram None  
Signal word Warning  
Hazard Statement(s)  
H316 Causes mild skin irritation.  
H320 Causes eye irritation.  
Precautionary Statement(s)  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  

HMIS Classification  
Health hazard: 0  
Chronic Health Hazard: *  
Flammability: 1  
Physical hazards: 0  

NFPA Rating  
Health hazard: 0  
Fire: 1
Reactivity Hazard                  0
Potential Health Effects
Inhalation                         May be harmful if inhaled. Causes respiratory tract irritation.
Skin                               May be harmful if absorbed through skin. Causes skin irritation.
Eyes                               May cause eye irritation.
Ingestion                          May be harmful if swallowed.

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME:</th>
<th>CAS #:</th>
<th>FORMULA:</th>
<th>SARA 313:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>50% (v/v)</td>
<td>56-81-5</td>
<td>C3H6O3</td>
</tr>
</tbody>
</table>

The ingredients listed in this section include only those items that have more than 1% of a component classified as hazardous and 0.1% of a component classified as carcinogenic.

SECTION IV – FIRST AID MEASURES

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance.
SKIN: Wash exposed area with soap and plenty of water. If irritation persists, seek medical attention.
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek medical attention.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention for any breathing difficulty.
INGESTION: Do NOT induce vomiting. Rinse mouth with water. Seek medical attention.

SECTION V – FIRE FIGHTING MEASURES

Fire Extinguisher Type: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire/Explosion Hazards: Not flammable or combustible.
Fire Fighting Procedure: In the event of a fire, wear full personal protective clothing and NIOSH approved self-contained breathing apparatus.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear appropriate personal protective equipment as specified in section VIII. Avoid breathing vapors, mist, gas or dust. Evacuate personnel to safe areas.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
SECTION VII – HANDLING AND STORAGE

<table>
<thead>
<tr>
<th>HANDLING:</th>
<th>STORAGE:</th>
<th>NOTES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid Inhalation of vapor or mist</td>
<td>Keep tightly closed</td>
<td>-</td>
</tr>
<tr>
<td>Avoid contact with eyes, skin, and clothing</td>
<td>Store in cool, dry place</td>
<td>-</td>
</tr>
<tr>
<td>Avoid prolonged or repeated exposure</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

SECTION VIII – EXPOSURE CONTROLS/PERSOAL PROTECTIVE EQUIPMENT

Personal Protective Equipment:
Respiratory: NIOSH/MSHA-approved respirator
Hand: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin and Body: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Environmental Exposure Controls: Prevent product from entering drains.

Exposure Limits:

<table>
<thead>
<tr>
<th>CHEMICAL NAME:</th>
<th>OSHA PEL (TWA)</th>
<th>OSHA PEL (Ceiling):</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>15 mg/ m³ total dust</td>
<td>-</td>
<td>10 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>5 mg/ m³ respirable fraction</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form: Liquid
Color: Clear

Safety Data

MSDS TGIRT
**SECTION X – STABILITY AND REACTIVITY**

**Stability:** Stable under recommended storage conditions.

**Materials to Avoid:** Strong bases, Strong oxidizing agents.

**Hazardous Decomposition products:** Hazardous decomposition products formed under fire conditions. Carbon oxides

**SECTION XI – TOXICOLOGICAL INFORMATION**

**Conditions aggravated / target organs:** Single dose oral toxicity is low. Ingestion of larger amounts may cause injury. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals and kidney damage.

**Potential Health Effects:**

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<th>Effect</th>
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<td>Ingestion</td>
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**SECTION XII – ECOLOGICAL INFORMATION**

Data not available.
SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State and local regulations.

SECTION XIV – TRANSPORT INFORMATION

Substance considered non-hazardous for ground or air transport. No DOT shipping name required.

SECTION XV – REGULATORY INFORMATION

U.S. Federal Regulations:

SARA 302:
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313:

SARA 311/312 Hazards
Chronic Health Hazard

Massachusetts Right to Know Components:

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Pennsylvania Right to Know Components:

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New Jersey Right to Know Components:

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California Prop 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION XVI – OTHER INFORMATION

Disclaimer:
This product intended for R&D and clinical diagnostic uses. Use of material must be supervised by technically qualified individual.

This above information is believed to be accurate but may not be all inclusive and shall be used as a reference guide only. InGex, LLC shall not be held liable for any damage resulting from handling or contact with this product.