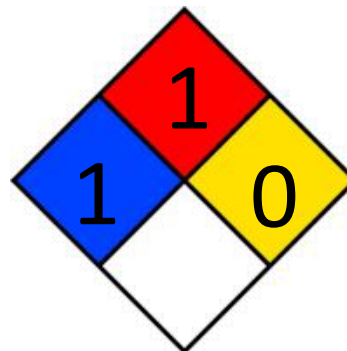


## SECTION I – PRODUCT & COMPANY IDENTIFICATION

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)

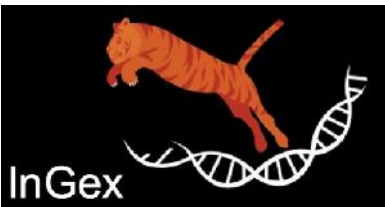
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 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

CHEMICAL NAME:	CAS #:	FORMULA:	SARA 313:	
Glycerol	50% (v/v)	56-81-5	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	No

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

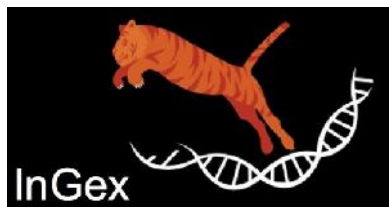
#### Personal precautions

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



Soak up with inert absorbent material and dispose of as hazardous waste. Keep in a suitable, closed container for proper disposal.

## SECTION VII – HANDLING AND STORAGE

HANDLING:	STORAGE:	NOTES:
Avoid Inhalation of vapor or mist	Keep tightly closed	-
Avoid contact with eyes, skin, and clothing	Store in cool, dry place	-
Avoid prolonged or repeated exposure	-	-

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

**Personal Protective Equipment:**

<b>Respiratory:</b>	NIOSH/MSHA-approved respirator
<b>Hand:</b>	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.
<b>Eye:</b>	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).
<b>Skin and Body:</b>	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.
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Environmental Exposure Controls:</b>	Prevent product from entering drains.

Exposure Limits:

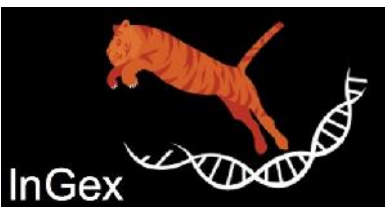
CHEMICAL NAME:	OSHA PEL (TWA)	OSHA PEL (Ceiling):	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15 mg/ m <sup>3</sup> total dust 5 mg/ m <sup>3</sup> respirable fraction	-	10 mg/m <sup>3</sup>	-

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form	Liquid
Color	Clear

**Safety Data**



pH	7.5 @ 25°C
Melting point/Freezing point	No data available.
Boiling point	No data available.
Flash point	No data available.
Ignition temperature	No data available.
Auto-ignition temperature	No data available.
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapor pressure	No data available.
Density	No data available.
Water solubility	No data available.
Partition coefficient: n-octanol/water	No data available.
Relative vapor density	No data available.
Odor	None.
Odor threshold	No data available.
Evaporation rate	No data available.

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## SECTION X – STABILITY AND REACTIVITY

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<b>Stability:</b>	<b>Stable under recommended storage conditions.</b>
<b>Materials to Avoid:</b>	Strong bases, Strong oxidizing agents.
<b>Hazardous Decomposition products:</b>	Hazardous decomposition products formed under fire conditions. Carbon oxides

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## SECTION XI – TOXICOLOGICAL INFORMATION

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**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:**

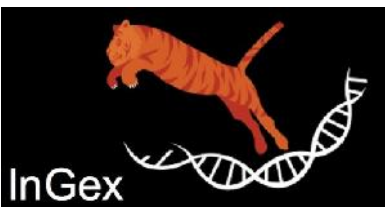
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

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## SECTION XII – ECOLOGICAL INFORMATION

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Data not available.



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## SECTION XIII – DISPOSAL CONSIDERATIONS

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

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## SECTION XIV – TRANSPORT INFORMATION

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

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## SECTION XV – REGULATORY INFORMATION

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### 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:

	CAS No.	Revision Date
Glycerol	56-81-5	2007-03-01

#### Pennsylvania Right to Know Components:

	CAS No.	Revision Date
Glycerol	56-81-5	2007-03-01

#### New Jersey Right to Know Components:

	CAS No.	Revision Date
Glycerol	56-81-5	2007-03-01

#### 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.

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## SECTION XVI – OTHER INFORMATION

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### 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.