



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** Viro-PEG Lentivirus Concentrator
- ◆ **Catalog number:** LVG100, LVG500
- ◆ **Product description:** One bottle containing Viro-PEG Lentivirus Concentrator reagent.
- ◆ **Chemical name or synonyms:** none
- ◆ **Contact:**

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### SECTION 2 – HAZARDS IDENTIFICATION

#### GHS Classification

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### GHS Label element

Signal Word:	None
Hazard Statements:	None
Pictograms:	None

This product contains hazardous ingredients (Yes; No; Not Applicable or no information): **No**.

This product contains hazardous carcinogens (Yes; No; N/A): **No**

This product contains hazardous ingredients to the environment. (Yes; No; N/A): **No**

### SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

**Description:** Aqueous solution of synthetic molecules.

<u>Ingredient name</u>	<u>CAS number</u>	<u>%</u>	<u>EINECS</u>	<u>Classification</u>
PEG8000	25322-68-3	30-60 %	-	None

Ingredients are not hazardous or their concentrations do not exceed the limit specified according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directive 1999/45/EC-2001/59/EC (EU).

### SECTION 4 – FIRST AID MEASURES

#### Description of first aid measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move to fresh air. Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person, If symptoms persist, call a physician, Not an expected route of exposure

#### Most important symptoms and effects, both acute and delayed

Main Symptoms No information available.

#### Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Flammability of the product:</b>	May be combustible at high temperature.
<b>Flash Point:</b>	Not available.
<b>Fire hazards in presence of various substances:</b>	Not considered to be flammable.
<b>Fire fighting media and instructions:</b>	Use dry chemical, CO <sub>2</sub> , water spray or foam.
<b>Protective clothing (fire):</b>	Be sure to use an approved/certified respirator or equivalent.
<b>Hazardous thermal decomposition products:</b>	Burning produces irritant fumes.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation. For emergency responders Use personal protection recommended in Section 8.

**Environmental precautions**

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas

**Methods and material for containment and cleaning up**

Methods for Containment Prevent further leakage or spillage if safe to do so. Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

**Reference to other sections**

See section 8 for more information. See section 13 for more information

## SECTION 7 – HANDLING AND STORAGE

**Precautions for safe handling**

Advice on safe handling	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

Technical measures/ Storage conditions	Keep container tightly closed in a dry and well-ventilated place.
Incompatible products	None known based on information supplied.

**Specific end use(s)**

Risk Management Methods (RMM)	The information required is contained in this Material Safety Data Sheet.
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## SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

**Control parameters**

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal protection**

<b>Eyes:</b>	Safety glasses.
<b>Body:</b>	Lab coat and gloves.
<b>Respiratory:</b>	Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical State	Liquid
Explosive properties	No information available
Oxidizing Properties	No information available
Other information Softening point	No information available

Molecular Weight	No information available
VOC Content (%)	No information available
Density VALUE	No information available
Bulk Density	No information available
Appearance	Clear, colorless solution Odor None
Color	Clear
Odor	Threshold No information available

Property	
pH VALUE	No information available
Melting point / freezing point	No information available /
Boiling point/ boiling range (°C)	No information available
Flash point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available

Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available

Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water Solubility	Not applicable
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.

<b>Possibility of hazardous reactions</b>	
<b>Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

<b>Conditions to Avoid</b>	None known based on information supplied.
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<b>Incompatible Materials</b>	None known based on information supplied.
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<b>Hazardous Decomposition Products</b>	No data available
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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information		
Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
PolyEthylene Glycol 6000 25322-68-3	= 22 g/kg ( Rat )	> 20 g/kg ( Rabbit ) > 20 mL/kg ( Rabbit )	-

**Information on toxicological effects**

<b>Symptoms</b>	No information available.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.

**Target Organ Effects** No information available.  
**Aspiration Hazard** No information available

**SECTION 12 – ECOLOGICAL INFORMATION**

No data available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste stream:** Not available.  
**Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.

**European waste catalogue (EWC):** Not available.

**Hazardous waste:** Will not occur.

**SECTION 14 – TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR/RID</b>	Not regulated
<b>ADN</b>	Not regulated

**SECTION 15 – OTHER INFORMATION**

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

<b><u>International Inventories</u></b>	For research use only
<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

TSCA -	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL -	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS -	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS -	Japan Existing and New Chemical Substances
IECSC -	China Inventory of Existing Chemical Substances
KECL -	Korean Existing and Evaluated Chemical Substances
PICCS -	Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

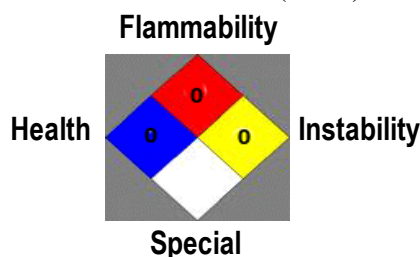
EPA Pesticide Registration Number Not applicable

**SECTION 16– OTHER INFORMATION**

◆ **Hazardous Material Information System (U.S.A.):**

<b>Health</b>	<b>0</b>
<b>Fire hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal protection</b>	

◆ **National Fire Protection Association (U.S.A.):**



0 = not significant  
 1 = slight  
 2 = moderate  
 3 = high  
 4 = extreme  
 \* = chronic

◆ **Revisions:**

Issue Date: 27-Nov-2019  
 Last Revision Date: 04-Dec-2019  
 Revision note: New format. updated Section 1, 15.

◆ **Other Comments:**

To the best of our knowledge, the information contain herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Restriction of use:** for research use only.