

Section 1 - Product and Company Information

Product Name:	HSV-60/LyoVec™, HSV-60c/LyoVec™ (Control), ISD/LyoVec™, ISD Control/LyoVec™, Poly(dA:dT)/LyoVec™, Poly(dG:dC)/LyoVec™, VACV-70/LyoVec™, VACV-70c/LyoVec™ (Control)
Cat. Code:	tlrl-hsv60c, tlrl-hsv60cc, tlrl-isdc, tlrl-isdcc, tlrl-patc, tlrl-pgcc, tlrl-vav70c, tlrl-vav70cc
Company identification:	<p>InvivoGen USA, 3950 Sorrento Valley Blvd, Suite 100 San Diego, California 92121, USA (+1) 888 457 5873</p> <p>InvivoGen Europe, 5 rue Jean Rodier 31400 Toulouse, France +33 (0) 5 62 71 69 39</p> <p>InvivoGen Hong Kong, Unit 709A, Bio-Informatics Center 2 Science Park West Avenue, Hong Kong Science Park Shatin, Hong Kong +852 3622 3480</p>
Emergency number:	ORFILA (INRS): +33 (0)1 45 42 59 59

Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

Section 2 – Hazards Identification

Emergency Overview:

OSHA Hazards

Irritant

GHS classification

According to Regulation (EC) No. 1272/2008

Eye irritation (Category 2)

According to European Directive 67/548/EEC as amended.

Irritating to eyes.

GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statement

H319 Causes serious 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.

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Product dsDNA/LyoVec™

Revision Date 14 Mar. 2016

Version 1.0

Section 3 – Composition/Information on Ingredient

This product contains the components listed below.

Ingredient	CAS Number	GHS Classification	Pictogram
Double-stranded deoxyribonucleic acid (dsDNA)	Not available	Not dangerous	None
DTCPTA (Di-tetradecylphosphoryl-N,N,N-trimethylmethanaminium chloride)	Not available	Eye irritation (Category 2); H319, P305+ P351+P338	
DiPPE (1,2-Diphytanoyl-sn-glycero-3-phosphoethanolamine)	201036-16-0	Not dangerous	None

Section 4 – First Aid Measures

General advice: Consult a physician. Show this material safety data sheet to the doctor in attendance.

After skin contact: Immediately wash skin with soap and plenty of water. Consult a physician.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

After inhalation: Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Section 5 – Fire Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Specific hazards arising from the chemical: No data available

Special Firefighting Procedures: Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Avoid dust formation.

Method for cleaning up: Sweep up and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

Section 7 – Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

User Exposure: Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).

Storage: Store at -20 °C.

Section 8 – Exposure Controls/PPE

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice.

Section 9 – Physical/Chemical Properties

Appearance

Physical state: Solid

Color: White

Safety Data

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Relative density: No data available

Solubility: No data available

Partition coefficient: n-octanol/water: No data available

Autoignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Section 10 – Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: No data available

Hazardous decomposition products: No data available

Section 11 – Toxicological Information

Acute toxicity:

Oral LD50: No data available

Inhalation LC50: No data available

Dermal LD50: No data available

Other information on acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Additional information: No data available

Section 12 – Ecological Information

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Section 13 – Disposal Considerations

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.

Contaminated Packaging: Dispose of as unused product.

Section 14 – Transport Information

ADR/RID: Not dangerous goods

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15 – Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

15.2 Chemical Safety Assessment

no data available

Section 16 – Other Information

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This SDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.