Conforms to Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals

SAFETY DATA SHEET

Agilent Technologies

Human Exome CRISPR Lenti Library Early Access (Catalog kit), Part Number G7553P

Section 1. Identification

Product identifier : Human Exome CRISPR Lenti Library Early Access (Catalog kit), Part Number G7553P

Part No. (Chemical Kit) : G7553P

Part No. :

pSGLenti CRISPR Library HuEx A	5190-9375
pSGLenti CRISPR Library HuEx B	5190-9400
pSGLenti CRISPR Control Plasmid	5190-9376

Relevant identified uses of the substance or mixture and uses advised against

Analytical reagent.

pSGLenti CRISPR Library HuEx A	50 µg
pSGLenti CRISPR Library HuEx B	50 µg
pSGLenti CRISPR Control Plasmid	50 µg

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word :

pSGLenti CRISPR Library HuEx A	No signal word.
pSGLenti CRISPR Library HuEx B	No signal word.
pSGLenti CRISPR Control Plasmid	No signal word.

Hazard statements :

pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.

Precautionary statements

Prevention :

pSGLenti CRISPR Library HuEx A	Not applicable.
pSGLenti CRISPR Library HuEx B	Not applicable.
pSGLenti CRISPR Control Plasmid	Not applicable.

Section 2. Hazard(s) identification

Response	:	pSGLenti CRISPR Library HuEx A	Not applicable.
		pSGLenti CRISPR Library HuEx B	Not applicable.
		pSGLenti CRISPR Control Plasmid	Not applicable.
Storage	:	pSGLenti CRISPR Library HuEx A	Not applicable.
		pSGLenti CRISPR Library HuEx B	Not applicable.
		pSGLenti CRISPR Control Plasmid	Not applicable.
Disposal	:	pSGLenti CRISPR Library HuEx A	Not applicable.
		pSGLenti CRISPR Library HuEx B	Not applicable.
		pSGLenti CRISPR Control Plasmid	Not applicable.
Supplemental label elements			
Additional warning phrases	:	pSGLenti CRISPR Library HuEx A	Not applicable.
		pSGLenti CRISPR Library HuEx B	Not applicable.
		pSGLenti CRISPR Control Plasmid	Not applicable.
Other hazards which do not result in classification	:	pSGLenti CRISPR Library HuEx A	None known.
		pSGLenti CRISPR Library HuEx B	None known.
		pSGLenti CRISPR Control Plasmid	None known.

Section 3. Composition and ingredient information

Substance/mixture	:	pSGLenti CRISPR Library HuEx A	Mixture
		pSGLenti CRISPR Library HuEx B	Mixture
		pSGLenti CRISPR Control Plasmid	Mixture

CAS number/other identifiers

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	pSGLenti CRISPR Library HuEx A	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		pSGLenti CRISPR Library HuEx B	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		pSGLenti CRISPR Control	Immediately flush eyes with plenty of water,

Section 4. First aid measures

		Plasmid	occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	pSGLenti CRISPR Library HuEx A	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		pSGLenti CRISPR Library HuEx B	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		pSGLenti CRISPR Control Plasmid	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	pSGLenti CRISPR Library HuEx A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		pSGLenti CRISPR Library HuEx B	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		pSGLenti CRISPR Control Plasmid	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	pSGLenti CRISPR Library HuEx A	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		pSGLenti CRISPR Library HuEx B	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		pSGLenti CRISPR Control Plasmid	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Inhalation	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.

Section 4. First aid measures

Skin contact	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Ingestion	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Inhalation	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Skin contact	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Ingestion	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	pSGLenti CRISPR Library HuEx A	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pSGLenti CRISPR Library HuEx B	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pSGLenti CRISPR Control Plasmid	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	pSGLenti CRISPR Library HuEx A	No specific treatment.
		pSGLenti CRISPR Library HuEx B	No specific treatment.
		pSGLenti CRISPR Control Plasmid	No specific treatment.
Protection of first-aiders	:	pSGLenti CRISPR Library HuEx A	No action shall be taken involving any personal risk or without suitable training.
		pSGLenti CRISPR Library HuEx B	No action shall be taken involving any personal risk or without suitable training.
		pSGLenti CRISPR Control Plasmid	No action shall be taken involving any personal risk or without suitable training.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	:	pSGLenti CRISPR Library HuEx A	Use an extinguishing agent suitable for the surrounding fire.
		pSGLenti CRISPR Library HuEx B	Use an extinguishing agent suitable for the surrounding fire.
		pSGLenti CRISPR Control Plasmid	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	pSGLenti CRISPR Library HuEx A	None known.
		pSGLenti CRISPR Library HuEx B	None known.
		pSGLenti CRISPR Control Plasmid	None known.
Specific hazards arising from the chemical	:	pSGLenti CRISPR Library HuEx A	In a fire or if heated, a pressure increase will occur and the container may burst.
		pSGLenti CRISPR Library HuEx B	In a fire or if heated, a pressure increase will occur and the container may burst.
		pSGLenti CRISPR Control Plasmid	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Special protective actions for fire-fighters	:	pSGLenti CRISPR Library HuEx A	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		pSGLenti CRISPR Library HuEx B	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		pSGLenti CRISPR Control Plasmid	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	pSGLenti CRISPR Library HuEx A	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		pSGLenti CRISPR Library HuEx B	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		pSGLenti CRISPR Control Plasmid	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	pSGLenti CRISPR Library HuEx A	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		pSGLenti CRISPR Library HuEx B	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		pSGLenti CRISPR Control Plasmid	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	:	pSGLenti CRISPR Library HuEx A	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
		pSGLenti CRISPR Library HuEx B	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
		pSGLenti CRISPR Control Plasmid	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	pSGLenti CRISPR Library HuEx A	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
		pSGLenti CRISPR Library HuEx B	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
		pSGLenti CRISPR Control Plasmid	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up	:	pSGLenti CRISPR Library HuEx A	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		pSGLenti CRISPR Library HuEx B	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

pSGLenti CRISPR Control Plasmid	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	pSGLenti CRISPR Library HuEx A	Put on appropriate personal protective equipment (see Section 8).
		pSGLenti CRISPR Library HuEx B	Put on appropriate personal protective equipment (see Section 8).
		pSGLenti CRISPR Control Plasmid	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	pSGLenti CRISPR Library HuEx A	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
		pSGLenti CRISPR Library HuEx B	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
		pSGLenti CRISPR Control Plasmid	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	pSGLenti CRISPR Library HuEx A	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
		pSGLenti CRISPR Library HuEx B	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
		pSGLenti CRISPR Control Plasmid	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from

Section 7. Handling and storage

incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : pSGLenti CRISPR Library HuEx A — Liquid.
pSGLenti CRISPR Library HuEx B — Liquid.
pSGLenti CRISPR Control Plasmid — Liquid.

Section 9. Physical and chemical properties

Colour	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Odour	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Odour threshold	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
pH	:	pSGLenti CRISPR Library HuEx A	7
		pSGLenti CRISPR Library HuEx B	7
		pSGLenti CRISPR Control Plasmid	7
Melting point	:	pSGLenti CRISPR Library HuEx A	0°C (32°F)
		pSGLenti CRISPR Library HuEx B	0°C (32°F)
		pSGLenti CRISPR Control Plasmid	0°C (32°F)
Boiling point	:	pSGLenti CRISPR Library HuEx A	100°C (212°F)
		pSGLenti CRISPR Library HuEx B	100°C (212°F)
		pSGLenti CRISPR Control Plasmid	100°C (212°F)
Flash point	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Evaporation rate	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Flammability (solid, gas)	:	pSGLenti CRISPR Library HuEx A	Not applicable.
		pSGLenti CRISPR Library HuEx B	Not applicable.
		pSGLenti CRISPR Control Plasmid	Not applicable.
Lower and upper explosive (flammable) limits	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.

Section 9. Physical and chemical properties

Vapour pressure	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Vapour density	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Relative density	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Solubility	:	pSGLenti CRISPR Library HuEx A	Easily soluble in the following materials: cold water and hot water.
		pSGLenti CRISPR Library HuEx B	Easily soluble in the following materials: cold water and hot water.
		pSGLenti CRISPR Control Plasmid	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Auto-ignition temperature	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Decomposition temperature	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.
Viscosity	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.

Section 10. Stability and reactivity

Reactivity	:	pSGLenti CRISPR Library HuEx A	No specific test data related to reactivity available for this product or its ingredients.
		pSGLenti CRISPR Library HuEx B	No specific test data related to reactivity available for this product or its ingredients.
		pSGLenti CRISPR Control Plasmid	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

Chemical stability	:	pSGLenti CRISPR Library HuEx A	The product is stable.
		pSGLenti CRISPR Library HuEx B	The product is stable.
		pSGLenti CRISPR Control Plasmid	The product is stable.
Possibility of hazardous reactions	:	pSGLenti CRISPR Library HuEx A	Under normal conditions of storage and use, hazardous reactions will not occur.
		pSGLenti CRISPR Library HuEx B	Under normal conditions of storage and use, hazardous reactions will not occur.
		pSGLenti CRISPR Control Plasmid	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Incompatible materials	:	pSGLenti CRISPR Library HuEx A	May react or be incompatible with oxidising materials.
		pSGLenti CRISPR Library HuEx B	May react or be incompatible with oxidising materials.
		pSGLenti CRISPR Control Plasmid	May react or be incompatible with oxidising materials.
Hazardous decomposition products	:	pSGLenti CRISPR Library HuEx A	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pSGLenti CRISPR Library HuEx B	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pSGLenti CRISPR Control Plasmid	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	:	pSGLenti CRISPR Library HuEx A	Not available.
		pSGLenti CRISPR Library HuEx B	Not available.
		pSGLenti CRISPR Control Plasmid	Not available.

Potential acute health effects

Eye contact	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Inhalation	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Skin contact	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Ingestion	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Inhalation	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.

Section 11. Toxicological information

Skin contact	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.
Ingestion	:	pSGLenti CRISPR Library HuEx A	No specific data.
		pSGLenti CRISPR Library HuEx B	No specific data.
		pSGLenti CRISPR Control Plasmid	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Carcinogenicity	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Mutagenicity	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Teratogenicity	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.
Developmental effects	:	pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
		pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
		pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.

Section 11. Toxicological information

Fertility effects :

pSGLenti CRISPR Library HuEx A	No known significant effects or critical hazards.
pSGLenti CRISPR Library HuEx B	No known significant effects or critical hazards.
pSGLenti CRISPR Control Plasmid	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	:	Not determined.
Canada	:	Not determined.
China	:	All components are listed or exempted.
Europe	:	All components are listed or exempted.
Japan	:	**Japan inventory (ENCS)**: Not determined. **Japan inventory (ISHL)**: All components are listed or exempted.
Malaysia	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	All components are listed or exempted.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.
Viet Nam	:	Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision	:	15/12/2017
Date of previous issue	:	06/10/2015.
Version	:	2
Key to abbreviations	:	ADG = Australian Dangerous Goods ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) NOHSC = National Occupational Health and Safety Commission

Section 16. Any other relevant information

SUSMP = Standard Uniform Schedule of Medicine and Poisons
UN = United Nations

Procedure used to derive the classification

Classification	Justification
Not classified.	

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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