

# SAFETY DATA SHEET



SureGuide GeCKO v2.0 Human Exome CRISPR Library, Part Number G7553A

## Section 1. Identification

**Product identifier** : SureGuide GeCKO v2.0 Human Exome CRISPR Library, Part Number G7553A  
**Part no. (chemical kit)** : G7553A  
**Part no.** : SureGuide pSGLenti GeCKO v2.0 Library HuEx A 5190-9518  
 SureGuide pSGLenti GeCKO v2.0 Library HuEx B 5190-9519  
 SureGuide pSGLenti CRISPR Control Plasmid (Human) 5190-9520

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

**Material uses** : Analytical reagent.  
 SureGuide pSGLenti GeCKO v2.0 Library HuEx A 4 x 0.025 ml (25 µl 1 µg/ µl)  
 SureGuide pSGLenti GeCKO v2.0 Library HuEx B 4 x 0.025 ml (25 µl 1 µg/ µl)  
 SureGuide pSGLenti CRISPR Control Plasmid (Human) 0.025 ml (25 µl 1 µg/ µl)

**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** : SureGuide pSGLenti GeCKO v2.0 Library HuEx A No signal word.  
 SureGuide pSGLenti GeCKO v2.0 Library HuEx B No signal word.  
 SureGuide pSGLenti CRISPR Control Plasmid (Human) No signal word.

**Hazard statements** : SureGuide pSGLenti GeCKO v2.0 Library HuEx A No known significant effects or critical hazards.  
 SureGuide pSGLenti GeCKO v2.0 Library HuEx B No known significant effects or critical hazards.  
 SureGuide pSGLenti CRISPR Control Plasmid (Human) No known significant effects or critical hazards.

### Precautionary statements

## Section 2. Hazard(s) identification

<b>Prevention</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Not applicable.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Not applicable.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not applicable.
<b>Response</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Not applicable.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Not applicable.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not applicable.
<b>Storage</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Not applicable.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Not applicable.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not applicable.
<b>Disposal</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Not applicable.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Not applicable.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not applicable.
<b>Supplemental label elements</b>		
<b>Additional warning phrases</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Not applicable.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Not applicable.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not applicable.
<b>Other hazards which do not result in classification</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	None known.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	None known.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Mixture
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Mixture
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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.

## Section 3. Composition and ingredient information

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

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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.
<b>Inhalation</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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

## Section 4. First aid measures

<b>Eye contact</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
<b>Inhalation</b>	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.
<b>Skin contact</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
<b>Ingestion</b>	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.

### Over-exposure signs/symptoms

<b>Eye contact</b>	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Human)	No specific data.
<b>Inhalation</b>	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Human)	No specific data.
<b>Skin contact</b>	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Human)	No specific data.
<b>Ingestion</b>	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Human)	No specific data.

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

## Section 4. First aid measures

<b>Notes to physician</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No specific treatment.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No specific treatment.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No specific treatment.
<b>Protection of first-aiders</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No action shall be taken involving any personal risk or without suitable training.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No action shall be taken involving any personal risk or without suitable training.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Use an extinguishing agent suitable for the surrounding fire.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Use an extinguishing agent suitable for the surrounding fire.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	None known.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	None known.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	None known.
<b>Specific hazards arising from the chemical</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No specific data.

## Section 5. Firefighting measures

<b>Special protective actions for fire-fighters</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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.
<b>Special protective equipment for fire-fighters</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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

<b>For non-emergency personnel</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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.
<b>For emergency responders</b>	: SureGuide pSGLenti GeCKO v2.0 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".
	SureGuide pSGLenti GeCKO v2.0 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".
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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".

## Section 6. Accidental release measures

<b>Environmental precautions</b>	: SureGuide pSGLenti GeCKO v2.0 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).
	SureGuide pSGLenti GeCKO v2.0 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).
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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

<b>Methods for cleaning up</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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

<b>Protective measures</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Put on appropriate personal protective equipment (see Section 8).
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Put on appropriate personal protective equipment (see Section 8).
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti GeCKO v2.0 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.
	SureGuide pSGLenti CRISPR Control Plasmid	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and

## Section 7. Handling and storage

(Human)

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

SureGuide pSGLenti  
GeCKO v2.0 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.

SureGuide pSGLenti  
GeCKO v2.0 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.

SureGuide pSGLenti  
CRISPR Control Plasmid  
(Human)

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.

## 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.



## Section 8. Exposure controls and personal protection

- 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** : SureGuide pSGLenti Liquid.  
GeCKO v2.0 Library HuEx A  
SureGuide pSGLenti Liquid.  
GeCKO v2.0 Library HuEx B  
SureGuide pSGLenti Liquid.  
CRISPR Control Plasmid (Human)
- Colour** : SureGuide pSGLenti Not available.  
GeCKO v2.0 Library HuEx A  
SureGuide pSGLenti Not available.  
GeCKO v2.0 Library HuEx B  
SureGuide pSGLenti Not available.  
CRISPR Control Plasmid (Human)
- Odour** : SureGuide pSGLenti Not available.  
GeCKO v2.0 Library HuEx A  
SureGuide pSGLenti Not available.  
GeCKO v2.0 Library HuEx B  
SureGuide pSGLenti Not available.  
CRISPR Control Plasmid (Human)
- Odour threshold** : SureGuide pSGLenti Not available.  
GeCKO v2.0 Library HuEx A  
SureGuide pSGLenti Not available.  
GeCKO v2.0 Library HuEx B  
SureGuide pSGLenti Not available.  
CRISPR Control Plasmid (Human)
- pH** : SureGuide pSGLenti 7  
GeCKO v2.0 Library HuEx A  
SureGuide pSGLenti 7  
GeCKO v2.0 Library HuEx B  
SureGuide pSGLenti 7  
CRISPR Control Plasmid (Human)

## Section 9. Physical and chemical properties

<b>Melting point</b>	: SureGuide pSGLenti	0°C (32°F)
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	0°C (32°F)
	GeCKO v2.0 Library HuEx B	
<b>Boiling point</b>	: SureGuide pSGLenti	100°C (212°F)
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	100°C (212°F)
	GeCKO v2.0 Library HuEx B	
<b>Flash point</b>	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx B	
<b>Evaporation rate</b>	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx B	
<b>Flammability (solid, gas)</b>	: SureGuide pSGLenti	Not applicable.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	Not applicable.
	GeCKO v2.0 Library HuEx B	
<b>Lower and upper explosive (flammable) limits</b>	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx B	
<b>Vapour pressure</b>	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx B	
<b>Vapour density</b>	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library HuEx B	

## Section 9. Physical and chemical properties

<b>Relative density</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not available. Not available. Not available.
<b>Solubility</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not available. Not available. Not available.
<b>Auto-ignition temperature</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not available. Not available. Not available.
<b>Decomposition temperature</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not available. Not available. Not available.
<b>Viscosity</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not available. Not available. Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A SureGuide pSGLenti GeCKO v2.0 Library HuEx B SureGuide pSGLenti CRISPR Control Plasmid (Human)	The product is stable. The product is stable. The product is stable.

## Section 10. Stability and reactivity

<b>Possibility of hazardous reactions</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No specific data.
<b>Incompatible materials</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	May react or be incompatible with oxidising materials.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	May react or be incompatible with oxidising materials.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	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

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

## Section 11. Toxicological information

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	Not available.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	Not available.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	Not available.

### Potential acute health effects

<b>Eye contact</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.
<b>Inhalation</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.
<b>Skin contact</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.
<b>Ingestion</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No specific data.
<b>Inhalation</b>	: SureGuide pSGLenti GeCKO v2.0 Library HuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library HuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Human)	No specific data.

## Section 11. Toxicological information

<b>Skin contact</b>	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Human)	
<b>Ingestion</b>	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Human)	

### 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

<b>General</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	
<b>Carcinogenicity</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	
<b>Mutagenicity</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	
<b>Teratogenicity</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	

## Section 11. Toxicological information

<b>Developmental effects</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
<b>Fertility effects</b>	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	No known significant effects or critical hazards.
<b>Fertility effects</b>	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library HuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
<b>Fertility effects</b>	GeCKO v2.0 Library HuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Human)	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

<b>Australia</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Canada</b>	: <input checked="" type="checkbox"/> Not determined.
<b>China</b>	: All components are listed or exempted.
<b>Europe</b>	: All components are listed or exempted.
<b>Japan</b>	: <input checked="" type="checkbox"/> <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> All components are listed or exempted.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Philippines</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Republic of Korea</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: All components are listed or exempted.
<b>Viet Nam</b>	: <input checked="" type="checkbox"/> Not determined.



## Section 16. Any other relevant information

### History

**Date of issue/Date of revision** : 22/11/2018  
**Date of previous issue** : 14/09/2016  
**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  
 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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