

Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia  
1800 802 402

## SureSelect Target Enrichment Kit PE - Indexing Hyb Module Box #2 - 50 Reactions

### 1 . Identification of the material and supplier

#### Names

<b>Product name</b>	:	SureSelect Target Enrichment Kit PE - Indexing Hyb Module Box #2 - 50 Reactions
<b>Part No. (Chemical Kit)</b>	:	5190-2332
<b>Part No.</b>	:	SureSelect RNase Block 5190-1976 SureSelect GA Indexing Pre Capture PCR Reverse Primer 5972-3601 SureSelect GA Indexing Post Capture PCR Forward Primer 5972-3603 SureSelect Hyb #3 5190-1980 SureSelect Block #2 5190-1979 SureSelect Block #1 5190-1978 / 5190-3654 SureSelect Block #3 5972-3560 / 5972-3566 / 5972-3571 / 5972-3602 / 5972-3623

**ADG** : Not regulated as Dangerous Goods according to the ADG Code

#### Supplier

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

**Emergency telephone number** : Chemtrec: +(61)-290372994

#### Uses

<b>Area of application</b>	:	SureSelect RNase Block Industrial applications, Professional applications. SureSelect GA Indexing Pre Capture PCR Reverse Primer Industrial applications, Professional applications. SureSelect GA Indexing Post Capture PCR Forward Primer Industrial applications, Professional applications. SureSelect Hyb #3 Industrial applications, Professional applications. SureSelect Block #2 Industrial applications, Professional applications. SureSelect Block #1 Industrial applications, Professional applications. SureSelect Block #3 Industrial applications, Professional applications.
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<b>Material uses</b>	:	Analytical reagent.
		SureSelect RNase Block 0.05 ml - 0.1 ml SureSelect GA Indexing Pre Capture PCR Reverse Primer 0.05 ml SureSelect GA Indexing Post Capture PCR Forward Primer 0.05 ml SureSelect Hyb #3 0.7 ml - 1.4 ml SureSelect Block #2 0.125 ml - 0.25 ml SureSelect Block #1 0.125 ml - 0.5 ml SureSelect Block #3 0.03 ml

## 2 . Hazards identification

<b>Classification</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	Not regulated. Not regulated.  Not regulated.  Not regulated. Not regulated. Not regulated. Not regulated.
<b>Risk phrases</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	Not classified. Not classified.  Not classified.  Not classified. Not classified. Not classified. Not classified.
<b>Safety phrases</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	S36- Wear suitable protective clothing. S36- Wear suitable protective clothing.  S36- Wear suitable protective clothing.  S36- Wear suitable protective clothing. S36- Wear suitable protective clothing. S36- Wear suitable protective clothing. S36- Wear suitable protective clothing.
<b>Statement of hazardous/ dangerous nature</b>	: SureSelect RNase Block  SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3  SureSelect Block #2  SureSelect Block #1  SureSelect Block #3	NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS.

## 3 . Composition/information on ingredients

<b>Mixture</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	Yes. Yes.  Yes.  Yes. Yes. Yes. Yes.
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Ingredient name	CAS number	Concentration
SureSelect RNase Block Glycerol	56-81-5	30 - 60

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

**There are no additional 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.**

**4 . First-aid measures**

**Inhalation**

- : SureSelect RNase Block
- SureSelect GA Indexing Pre Capture PCR Reverse Primer
- SureSelect GA Indexing Post Capture PCR Forward Primer
- SureSelect Hyb #3

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  
 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  
 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  
 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

- SureSelect Block #2
- SureSelect Block #1
- SureSelect Block #3

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  
 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  
 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Ingestion**

- : SureSelect RNase Block
- SureSelect GA Indexing Pre Capture PCR Reverse Primer

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.

- SureSelect GA Indexing Post Capture PCR Forward Primer
- SureSelect Hyb #3

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.

- SureSelect Block #2

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.

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.

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

**4 . First-aid measures**

SureSelect Block #1	medical personnel. Get medical attention if symptoms occur. 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.
SureSelect Block #3	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.

**Skin contact**

: SureSelect RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect GA Indexing Post Capture PCR Forward Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Hyb #3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Block #2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Block #1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Block #3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Eye contact**

: SureSelect RNase Block	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.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	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.
SureSelect GA Indexing Post Capture PCR Forward Primer	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.
SureSelect Hyb #3	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.
SureSelect Block #2	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.
SureSelect Block #1	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.

## 4 . First-aid measures

	SureSelect Block #3	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>Protection of first-aiders</b>	: SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No action shall be taken involving any personal risk or without suitable training.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Hyb #3	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Block #2	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Block #1	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Block #3	No action shall be taken involving any personal risk or without suitable training.
<b>Advice to doctor</b>	: SureSelect RNase Block	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Hyb #3	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect Block #2	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Block #1	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Block #3	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5 . Fire-fighting measures

### Extinguishing media

#### **Suitable**

: SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect GA Indexing Post Capture PCR Forward Primer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Hyb #3	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Block #2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Block #1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Block #3	Use an extinguishing agent suitable for the surrounding fire.

**5 . Fire-fighting measures**

<b>Not suitable</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	None known. None known.  None known.  None known. None known. None known. None known.
<b>Special exposure hazards</b>	: SureSelect RNase Block  SureSelect GA Indexing Pre Capture PCR Reverse Primer  SureSelect GA Indexing Post Capture PCR Forward Primer  SureSelect Hyb #3  SureSelect Block #2  SureSelect Block #1  SureSelect Block #3  SureSelect RNase Block  SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3  SureSelect Block #2  SureSelect Block #1  SureSelect Block #3	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. 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. 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. 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. 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. 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. 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. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide No specific data.  No specific data.  Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Hazardous thermal decomposition products</b>	: SureSelect RNase Block  SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3	Decomposition products may include the following materials: carbon dioxide carbon monoxide No specific data.  No specific data.  Decomposition products may include the following materials: carbon dioxide carbon monoxide

## 5 . Fire-fighting measures

		nitrogen oxides
		halogenated compounds
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Block #3	No specific data.
<b>Special protective equipment for fire-fighters</b>	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental release measures

<b>Personal precautions</b>	:	SureSelect RNase Block	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 (see Section 8).
		SureSelect GA Indexing Pre Capture PCR Reverse Primer	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 (see Section 8).
		SureSelect GA Indexing Post Capture PCR Forward Primer	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 (see Section 8).
		SureSelect Hyb #3	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 (see Section 8).
		SureSelect Block #2	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 (see Section 8).
		SureSelect Block #1	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 (see Section 8).
		SureSelect Block #3	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 (see Section 8).

**6 . Accidental release measures**

<b>Environmental precautions</b>	: SureSelect RNase Block	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).
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	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).
	SureSelect GA Indexing Post Capture PCR Forward Primer	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).
	SureSelect Hyb #3	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).
	SureSelect Block #2	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).
	SureSelect Block #1	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).
	SureSelect Block #3	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).
<b>Methods for cleaning up</b>	: SureSelect RNase Block	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.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	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.
	SureSelect GA Indexing Post Capture PCR Forward Primer	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.
	SureSelect Hyb #3	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.
	SureSelect Block #2	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



**6 . Accidental release measures**

SureSelect Block #1	of via a licensed waste disposal contractor. 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.
SureSelect Block #3	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.

**7 . Handling and storage**

**Handling**

: SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect GA Indexing Post Capture PCR Forward Primer	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect Hyb #3	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect Block #2	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect Block #1	Put on appropriate personal protective equipment (see Section 8). 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.

## **7 . Handling and storage**

	SureSelect Block #3	Put on appropriate personal protective equipment (see Section 8). 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.
<b>Storage</b>	: SureSelect RNase Block	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.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	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.
	SureSelect GA Indexing Post Capture PCR Forward Primer	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.
	SureSelect Hyb #3	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.
	SureSelect Block #2	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.
	SureSelect Block #1	Store in accordance with local regulations.

## 7 . Handling and storage

SureSelect Block #3

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.

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.

## 8 . Exposure controls/personal protection

### Occupational exposure limits

Ingredient name	Exposure limits
SureSelect RNase Block Glycerol	<b>Safe Work Australia (Australia, 7/2012).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.

No additional exposure standard allocated for other ingredients/components covered by the MSDS other than those listed in the table above.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### Exposure controls

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- 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.
- Eyes** : 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 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.
- Hands** : 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.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## **8 . Exposure controls/personal protection**

- Skin** : 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.
- 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.

## **9 . Physical and chemical properties**

- Physical state** : SureSelect RNase Block Liquid.  
 SureSelect GA Indexing Pre Liquid.  
 Capture PCR Reverse Primer  
 SureSelect GA Indexing Post Liquid.  
 Capture PCR Forward Primer  
 SureSelect Hyb #3 Liquid.  
 SureSelect Block #2 Liquid.  
 SureSelect Block #1 Liquid.  
 SureSelect Block #3 Liquid.
- Colour** : SureSelect RNase Block Not available.  
 SureSelect GA Indexing Pre Not available.  
 Capture PCR Reverse Primer  
 SureSelect GA Indexing Post Not available.  
 Capture PCR Forward Primer  
 SureSelect Hyb #3 Not available.  
 SureSelect Block #2 Colourless.  
 SureSelect Block #1 Colourless.  
 SureSelect Block #3 Not available.
- Odour** : SureSelect RNase Block Not available.  
 SureSelect GA Indexing Pre Not available.  
 Capture PCR Reverse Primer  
 SureSelect GA Indexing Post Not available.  
 Capture PCR Forward Primer  
 SureSelect Hyb #3 Not available.  
 SureSelect Block #2 Odourless.  
 SureSelect Block #1 Odourless.  
 SureSelect Block #3 Not available.
- Odour threshold** : SureSelect RNase Block Not available.  
 SureSelect GA Indexing Pre Not available.  
 Capture PCR Reverse Primer  
 SureSelect GA Indexing Post Not available.  
 Capture PCR Forward Primer  
 SureSelect Hyb #3 Not available.  
 SureSelect Block #2 Not available.  
 SureSelect Block #1 Not available.  
 SureSelect Block #3 Not available.
- Boiling point** : SureSelect RNase Block Not available.  
 SureSelect GA Indexing Pre 100°C (212°F)  
 Capture PCR Reverse Primer  
 SureSelect GA Indexing Post 100°C (212°F)  
 Capture PCR Forward Primer  
 SureSelect Hyb #3 100°C (212°F)  
 SureSelect Block #2 100°C (212°F)  
 SureSelect Block #1 100°C (212°F)  
 SureSelect Block #3 100°C (212°F)
- Melting point** : SureSelect RNase Block Not available.  
 SureSelect GA Indexing Pre 0°C (32°F)  
 Capture PCR Reverse Primer  
 SureSelect GA Indexing Post 0°C (32°F)  
 Capture PCR Forward Primer  
 SureSelect Hyb #3 0°C (32°F)  
 SureSelect Block #2 0°C (32°F)

## 9 . Physical and chemical properties

	SureSelect Block #1	0°C (32°F)
	SureSelect Block #3	0°C (32°F)
<b>Vapour pressure</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.
<b>Relative density</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	1
	SureSelect Block #1	1
	SureSelect Block #3	Not available.
<b>Flash point</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.
<b>Flammable limits</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.
<b>Vapour density</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.
<b>pH</b>	: SureSelect RNase Block	7.6
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.

## 9 . Physical and chemical properties

<b>Viscosity</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
<b>Auto-ignition temperature</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
<b>Evaporation rate</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
<b>Solubility</b>	: SureSelect RNase Block	Soluble in the following materials: cold water and hot water.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect Hyb #3	Easily soluble in the following materials: cold water and hot water.
	SureSelect Block #2	Easily soluble in the following materials: cold water and hot water.
	SureSelect Block #1	Easily soluble in the following materials: cold water and hot water.
	SureSelect Block #3	Easily soluble in the following materials: cold water and hot water.

## 10 . Stability and reactivity

<b>Chemical stability</b>	: SureSelect RNase Block	The product is stable.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	The product is stable.
	SureSelect GA Indexing Post Capture PCR Forward Primer	The product is stable.
	SureSelect Hyb #3	The product is stable.
	SureSelect Block #2	The product is stable.
	SureSelect Block #1	The product is stable.
<b>Possibility of hazardous reactions</b>	: SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect Hyb #3	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect Block #2	Under normal conditions of storage and use, hazardous reactions will not occur.

## 10 . Stability and reactivity

	SureSelect Block #1	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect Block #3	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No specific data.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No specific data.
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Block #3	No specific data.
<b>Materials to avoid</b>	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No specific data.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No specific data.
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Block #3	No specific data.
<b>Hazardous decomposition products</b>	: SureSelect RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Hyb #3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Block #2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Block #1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Block #3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

### Potential acute health effects

#### **Inhalation**

: SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
SureSelect GA Indexing Post Capture PCR Forward Primer	No known significant effects or critical hazards.
SureSelect Hyb #3	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
SureSelect Block #2	No known significant effects or critical hazards.
SureSelect Block #1	No known significant effects or critical hazards.
SureSelect Block #3	No known significant effects or critical hazards.

## 11 . Toxicological information

<b>Ingestion</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Eye contact</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-

**Conclusion/Summary** : Not available.

### Potential chronic health effects

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
SureSelect RNase Block Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

### Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

<b>Chronic effects</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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## 11 . Toxicological information

<b>Carcinogenicity</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Developmental effects</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No known significant effects or critical hazards. No known significant effects or critical hazards.  No known significant effects or critical hazards.  No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b><u>Over-exposure signs/symptoms</u></b>		
<b>Inhalation</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Block #3	No specific data. No specific data.  No specific data.  No specific data. No specific data. No specific data. No specific data.
<b>Ingestion</b>	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2	No specific data. No specific data.  No specific data.  No specific data. No specific data.

## 11 . Toxicological information

	SureSelect Block #1	No specific data.
	SureSelect Block #3	No specific data.
<b>Skin</b>	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing Pre	No specific data.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	No specific data.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Block #3	No specific data.
<b>Eyes</b>	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing Pre	No specific data.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	No specific data.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Block #3	No specific data.
<b>Other adverse symptoms</b>	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.
<b>Target organs</b>	: SureSelect RNase Block	Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.
	SureSelect GA Indexing Pre	Not available.
	Capture PCR Reverse Primer	
	SureSelect GA Indexing Post	Not available.
	Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Block #3	Not available.

## 12 . Ecological information

**Ecotoxicity** : May cause long-term adverse effects in the aquatic environment.

### Other ecological information

#### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
SureSelect RNase Block			
Glycerol	-1.76	-	low

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

## 13 . Disposal considerations

**Methods of disposal** : 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

## 13 . Disposal considerations

product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## 14 . Transport information

### Regulatory information

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

## 15 . Regulatory information

### Standard Uniform Schedule of Medicine and Poisons

5

### Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

**Australia inventory (AICS)** : Not determined.

## 16 . Other information

**Remarks** :  
**Date of issue** : 13/03/2013  
**Date of previous issue** : 16/03/2011.

✔ Indicates information that has changed from previously issued version.

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