

# SAFETY DATA SHEET

SSEL Max Blockers and Primers for MGI, 16\_96 Reactions

## Section 1. Identification

<b>Product identifier</b>	: SSEL Max Blockers and Primers for MGI, 16_96 Reactions		
<b>Part no. (chemical kit)</b>	: 5282-0157, 5282-0158		
<b>Part no.</b>	: Blocker Mix, MGI	5271-0119 / 5271-0146	
	: SureSelect MGI Post-Capture Primer Mix	5271-0118 / 5271-0145	

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

<b>Identified uses</b>	: Analytical reagent. For research use only.		
	: Blocker Mix, MGI	0.08 ml (16 reactions) / 0.7 ml (96 reactions)	
	: SureSelect MGI Post-Capture Primer Mix	0.016 ml (16 reactions) / 0.14 ml (96 reactions)	
<b>Uses advised against</b>	: Not for use in diagnostic procedures.		
<b>Supplier/Manufacturer</b>	: Agilent Technologies, Inc. 5301 Stevens Creek Blvd Santa Clara, CA 95051, USA 800-227-9770		

**Emergency telephone number (with hours of operation)** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazard identification

### Classification of the substance or mixture

Not classified.

### GHS label elements

<b>Signal word</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No signal word. No signal word.
<b>Hazard statements</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b><u>Precautionary statements</u></b>		
<b>Prevention</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not applicable. Not applicable.
<b>Response</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not applicable. Not applicable.
<b>Storage</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not applicable. Not applicable.
<b>Disposal</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not applicable. Not applicable.

## Section 2. Hazard identification

<b>Supplemental label elements</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	None known. None known.
<b>Other hazards which do not result in classification</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	None known. None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Mixture Mixture
--------------------------	--	--------------------

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

## Section 4. First-aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	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. 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>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	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.
<b>Skin contact</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	Wash out mouth with water. 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. 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

<b>Eye contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.

## Section 4. First-aid measures

<b>Skin contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b><u>Over-exposure signs/symptoms</u></b>		
<b>Eye contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Inhalation</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Skin contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Ingestion</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b><u>Indication of immediate medical attention and special treatment needed, if necessary</u></b>		
<b>Notes to physician</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific treatment. No specific treatment.
<b>Protection of first-aiders</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	None known. None known.
<b>Specific hazards arising from the chemical</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	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.
<b>Hazardous thermal decomposition products</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.

## Section 5. Fire-fighting measures

<b>Special protective actions for fire-fighters</b>	: Blocker Mix, MGI	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.
	SureSelect MGI Post-Capture Primer Mix	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>	: Blocker Mix, MGI	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect MGI Post-Capture Primer Mix	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>	: Blocker Mix, MGI	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 spilled material. Put on appropriate personal protective equipment.
	SureSelect MGI Post-Capture Primer Mix	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 spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: Blocker Mix, MGI	If specialized 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".
	SureSelect MGI Post-Capture Primer Mix	If specialized 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".
<b>Environmental precautions</b>	: Blocker Mix, MGI	Avoid dispersal of spilled 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 MGI Post-Capture Primer Mix	Avoid dispersal of spilled 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 materials for containment and cleaning up

## Section 6. Accidental release measures

<b>Methods for cleaning up</b>	: Blocker Mix, MGI	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 MGI Post-Capture Primer Mix	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>	: Blocker Mix, MGI	Put on appropriate personal protective equipment (see Section 8).
	SureSelect MGI Post-Capture Primer Mix	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: Blocker Mix, MGI	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.
	SureSelect MGI Post-Capture Primer Mix	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.
<b>Conditions for safe storage, including any incompatibilities</b>	: Blocker Mix, MGI	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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	SureSelect MGI Post-Capture Primer Mix	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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

#### Biological exposure indices

No exposure indices known.

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

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

- |                       |  |                                  |
|-----------------------|--|----------------------------------|
| <b>Physical state</b> | : Blocker Mix, MGI<br>SureSelect MGI Post-Capture Primer Mix | Liquid.<br>Liquid.               |
| <b>Color</b>          | : Blocker Mix, MGI<br>SureSelect MGI Post-Capture Primer Mix | Not available.<br>Not available. |

## Section 9. Physical and chemical properties and safety characteristics

**Odor** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

**Odor threshold** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

**pH** : Blocker Mix, MGI 7.5  
SureSelect MGI Post-Capture Primer Mix 7.5

**Melting point/freezing point** : Blocker Mix, MGI 0°C (32°F)  
SureSelect MGI Post-Capture Primer Mix 0°C (32°F)

**Boiling point, initial boiling point, and boiling range** : Blocker Mix, MGI 100°C (212°F)  
SureSelect MGI Post-Capture Primer Mix 100°C (212°F)

**Flash point** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

**Evaporation rate** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

**Flammability** : Blocker Mix, MGI Not applicable.  
SureSelect MGI Post-Capture Primer Mix Not applicable.

**Lower and upper explosion limit/flammability limit** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

Vapor pressure	Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
		mm Hg	kPa	Method	mm Hg	kPa	Method
	<b>Blocker Mix, MGI</b>						
	water	17.5	2.3	-	92.258	12.3	-
	<b>SureSelect MGI Post-Capture Primer Mix</b>						
	water	17.5	2.3	-	92.258	12.3	-

**Relative vapor density** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

**Relative density** : Blocker Mix, MGI Not available.  
SureSelect MGI Post-Capture Primer Mix Not available.

Solubility(ies)	Media	Result
	<b>Blocker Mix, MGI</b>	
	water	Soluble
	<b>SureSelect MGI Post-Capture Primer Mix</b>	
	water	Soluble

## Section 9. Physical and chemical properties and safety characteristics

<b>Partition coefficient: n-octanol/water</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not applicable. Not applicable.
<b>Auto-ignition temperature</b>	: Not available.	
<b>Decomposition temperature</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not available. Not available.
<b>Viscosity</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not available. Not available.
<b><u>Particle characteristics</u></b>		
<b>Median particle size</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	Not applicable. Not applicable.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	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>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	The product is stable. The product is stable.
<b>Possibility of hazardous reactions</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Incompatible materials</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
<b>Hazardous decomposition products</b>	: Blocker Mix, MGI  SureSelect MGI Post-Capture Primer Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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.



## Section 11. Toxicological information

### Sensitization

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.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Blocker Mix, MGI  
SureSelect MGI Post-Capture Primer Mix

Not available.  
Not available.

### Potential acute health effects

<b>Eye contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.

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

<b>Eye contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Inhalation</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Skin contact</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.
<b>Ingestion</b>	: Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix	No specific data. No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

## Section 11. Toxicological information

### 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

**General** : Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Carcinogenicity** : Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Mutagenicity** : Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Reproductive toxicity** : Blocker Mix, MGI SureSelect MGI Post-Capture Primer Mix  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

N/A

## 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 minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

**TDG / IMDG / IATA** : Not regulated.

**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 IMO instruments** : Not available.

## Section 15. Regulatory information

### Canadian lists

**Canadian NPRI** : None of the components are listed.

**CEPA Toxic substances** : None of the components are listed.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

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

**Canada** : Not determined.

**United States** : All components are active or exempted.

## Section 16. Other information

### History

**Date of issue/Date of revision** : 05/10/2024

**Date of previous issue** : No previous validation

**Version** : 1

## Section 16. Other information

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 HPR = Hazardous Products Regulations  
 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)  
 N/A = Not available  
 UN = United Nations

### Procedure used to derive the classification

Classification	Justification
Not classified.	

✔ Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.