

SAFETY DATA SHEET



Agilent Cell Fluorescence Checkout Kit, Part Number 5067-1520

Section 1. Identification

1.1 Product identifier

Product name : Agilent Cell Fluorescence Checkout Kit, Part Number 5067-1520
Part No. (Chemical Kit) : 5067-1520
Part No. :
 Chip Priming Solution Not available.
 Focusing Dye Solution Not available.
 Blue Beads Not available.
 Cell Buffer Not available.
Validation date : 07/30/2014.

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

Material uses : Analytical chemistry.
 Research and Development
 Chip Priming Solution 1 x 500 µl
 Focusing Dye Solution 1 x 500 µl
 Blue Beads 1 x 250 µl
 Cell Buffer 2 x 2 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 Logistics Center - Americas
 500 Ships Landing Way
 New Castle, Delaware 19720
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : Chip Priming Solution	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Focusing Dye Solution	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Blue Beads	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained

Section 2. Hazards identification

Cell Buffer

and available for employees and other users of this product.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Not classified.

Ingredients of unknown toxicity : Chip Priming Solution
Focusing Dye Solution

Blue Beads

Cell Buffer

Not applicable.
Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 19%
Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 9%
Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 19%

2.2 GHS label elements

Signal word : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

No signal word.
No signal word.
No signal word.
No signal word.

Hazard statements : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

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.

Precautionary statements

Prevention : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

Not applicable.
Not applicable.
Not applicable.
Not applicable.

Response : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

Not applicable.
Not applicable.
Not applicable.
Not applicable.

Storage : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

Not applicable.
Not applicable.
Not applicable.
Not applicable.

Disposal : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

Not applicable.
Not applicable.
Not applicable.
Not applicable.

Supplemental label elements : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

None known.
None known.
None known.
None known.

2.3 Other hazards

Hazards not otherwise classified : Chip Priming Solution
Focusing Dye Solution
Blue Beads
Cell Buffer

None known.
None known.
None known.
None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Chip Priming Solution	Mixture
	Focusing Dye Solution	Mixture
	Blue Beads	Mixture
	Cell Buffer	Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Chip Priming Solution	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.
	Focusing Dye Solution	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.
	Blue Beads	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.
	Cell Buffer	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.
Inhalation	: Chip Priming Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Focusing Dye Solution	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.
	Blue Beads	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Cell Buffer	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.

Section 4. First aid measures

Skin contact	: Chip Priming Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Focusing Dye Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Blue Beads	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Cell Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Chip Priming Solution	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.
	Focusing Dye Solution	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.
	Blue Beads	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.
	Cell Buffer	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.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Inhalation	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Section 4. First aid measures

Skin contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Ingestion	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.

Over-exposure signs/symptoms

Eye contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.
Inhalation	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.
Skin contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.
Ingestion	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.

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

Notes to physician	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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.
Specific treatments	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific treatment. No specific treatment. No specific treatment. No specific treatment.
Protection of first-aiders	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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. 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

5.1 Extinguishing media

Suitable extinguishing media	: Chip Priming Solution	Use an extinguishing agent suitable for the surrounding fire.
	Focusing Dye Solution	Use an extinguishing agent suitable for the surrounding fire.
	Blue Beads	Use an extinguishing agent suitable for the surrounding fire.
	Cell Buffer	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Chip Priming Solution	None known.
	Focusing Dye Solution	None known.
	Blue Beads	None known.
	Cell Buffer	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Chip Priming Solution	In a fire or if heated, a pressure increase will occur and the container may burst.
	Focusing Dye Solution	In a fire or if heated, a pressure increase will occur and the container may burst.
	Blue Beads	In a fire or if heated, a pressure increase will occur and the container may burst.
	Cell Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds	

5.3 Advice for firefighters

Special protective actions for fire-fighters	: Chip Priming Solution	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.
	Focusing Dye Solution	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.
	Blue Beads	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.
	Cell Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Chip Priming Solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Focusing Dye Solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Blue Beads	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

Section 5. Fire-fighting measures

Cell Buffer

(SCBA) with a full face-piece operated in positive pressure mode.
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

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : 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.
- For emergency responders** : 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".

6.2 Environmental precautions

- : Chip Priming Solution
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).
- : Focusing Dye Solution
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).
- : Blue Beads
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).
- : Cell Buffer
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).

6.3 Methods and materials for containment and cleaning up

- Chip Priming Solution
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.
- Focusing Dye Solution
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.
- Blue Beads
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.
- Cell Buffer
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

7.1 Precautions for safe handling

Protective measures	: Chip Priming Solution	Put on appropriate personal protective equipment (see Section 8).
	Focusing Dye Solution	Put on appropriate personal protective equipment (see Section 8).
	Blue Beads	Put on appropriate personal protective equipment (see Section 8).
	Cell Buffer	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: 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.	

7.2 Conditions for safe storage, including any incompatibilities

: Chip Priming Solution	Storage temperature: 4°C (39.2°F). 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.
Focusing Dye Solution	Storage temperature: 4°C (39.2°F). 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.
Blue Beads	Storage temperature: 4°C (39.2°F). 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.
Cell Buffer	Storage temperature: 4°C (39.2°F). 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

Section 7. Handling and storage

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.

7.3 Specific end use(s)

Recommendations	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: Not applicable.	

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

None.

8.2 Exposure controls

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.

Section 8. Exposure controls/personal protection

- Respiratory protection** : 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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Chip Priming Solution	Liquid.
	Focusing Dye Solution	Liquid.
	Blue Beads	Liquid.
	Cell Buffer	Liquid.
Color	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Blue.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Odor	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Odor threshold	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
pH	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Melting point	: Chip Priming Solution	0°C (32°F)
	Focusing Dye Solution	0°C (32°F)
	Blue Beads	Not available.
	Cell Buffer	Not available.
Boiling point	: Chip Priming Solution	100°C (212°F)
	Focusing Dye Solution	100°C (212°F)
	Blue Beads	Not available.
	Cell Buffer	Not available.
Flash point	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Evaporation rate	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Flammability (solid, gas)	: Chip Priming Solution	Not applicable.
	Focusing Dye Solution	Not applicable.
	Blue Beads	Not applicable.
	Cell Buffer	Not applicable.
Lower and upper explosive (flammable) limits	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.

Section 9. Physical and chemical properties

Vapor pressure	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Vapor density	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Relative density	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Solubility	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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. Soluble in the following materials: cold water and hot water.
Solubility in water	: Not available.	
Partition coefficient: n-octanol/water	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Auto-ignition temperature	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Decomposition temperature	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Viscosity	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	The product is stable. The product is stable. The product is stable. The product is stable.

Section 10. Stability and reactivity

10.3 Possibility of hazardous reactions	: Chip Priming Solution	Under normal conditions of storage and use, hazardous reactions will not occur.
	Focusing Dye Solution	Under normal conditions of storage and use, hazardous reactions will not occur.
	Blue Beads	Under normal conditions of storage and use, hazardous reactions will not occur.
	Cell Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Chip Priming Solution	No specific data.
	Focusing Dye Solution	No specific data.
	Blue Beads	No specific data.
	Cell Buffer	No specific data.
10.5 Incompatible materials	: Chip Priming Solution	No specific data.
	Focusing Dye Solution	No specific data.
	Blue Beads	No specific data.
	Cell Buffer	No specific data.
10.6 Hazardous decomposition products	: Chip Priming Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Focusing Dye Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Blue Beads	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Cell Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Section 11. Toxicological information

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Inhalation	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Ingestion	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.
Inhalation	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.
Skin contact	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.
Ingestion	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	No specific data. No specific data. No specific data. No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Section 11. Toxicological information

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Carcinogenicity	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Mutagenicity	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Teratogenicity	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Developmental effects	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.
Fertility effects	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	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.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Other information	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
--------------------------	---	--

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Section 12. Ecological information

Not available.

12.4 Mobility in soil

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

12.5 Other adverse effects : Chip Priming Solution No known significant effects or critical hazards.
Focusing Dye Solution No known significant effects or critical hazards.
Blue Beads No known significant effects or critical hazards.
Cell Buffer No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

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.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

Regulatory information

DOT / IMDG / IATA : Not regulated.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : **United States inventory (TSCA 8b)**: Not determined.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

No products were found.

Canada inventory : Not determined.

International regulations

International lists :

- Australia inventory (AICS)**: Not determined.
- China inventory (IECSC)**: Not determined.
- Japan inventory**: Not determined.
- Korea inventory**: Not determined.
- Malaysia Inventory (EHS Register)**: Not determined.
- New Zealand Inventory of Chemicals (NZIoC)**: Not determined.
- Philippines inventory (PICCS)**: Not determined.
- Taiwan inventory (CSNN)**: Not determined.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

Section 16. Other information

History

Date of issue : 07/30/2014.

Date of previous issue : 04/26/2012.

Version : 3

✔ Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

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.