

SAFETY DATA SHEET

Agilent Cell Fluorescence Checkout Kit, Part Number 5067-1520

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

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

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

Identified 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

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	: Chip Priming Solution	Mixture
	: Focusing Dye Solution	Mixture
	: Blue Beads	Mixture
	: Cell Buffer	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Ingredients of unknown toxicity	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 19%
	: Blue Beads	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 9%
	: Cell Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 19%

SECTION 2: Hazards identification

Ingredients of unknown ecotoxicity	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 19%
	: Blue Beads	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9%
	: Cell Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 19%

Classification according to Directive 1999/45/EC [DPD]

Chip Priming Solution	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Focusing Dye Solution	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Blue Beads	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Cell Buffer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	: Chip Priming Solution	Not classified.
	: Focusing Dye Solution	Not classified.
	: Blue Beads	Not classified.
	: Cell Buffer	Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word	: Chip Priming Solution	No signal word.
	: Focusing Dye Solution	No signal word.
	: Blue Beads	No signal word.
	: Cell Buffer	No signal word.
Hazard statements	: 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.

Precautionary statements

Prevention	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Not applicable.
	: Blue Beads	Not applicable.
	: Cell Buffer	Not applicable.
Response	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Not applicable.
	: Blue Beads	Not applicable.
	: Cell Buffer	Not applicable.
Storage	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Not applicable.
	: Blue Beads	Not applicable.
	: Cell Buffer	Not applicable.
Disposal	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Not applicable.
	: Blue Beads	Not applicable.
	: Cell Buffer	Not applicable.
Hazardous ingredients	: No hazardous ingredient	
Supplemental label elements	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Not applicable.
	: Blue Beads	Not applicable.
	: Cell Buffer	Not applicable.

Special packaging requirements

Tactile warning of danger	: Chip Priming Solution	Not applicable.
	: Focusing Dye Solution	Not applicable.
	: Blue Beads	Not applicable.
	: Cell Buffer	Not applicable.

SECTION 2: Hazards identification

2.3 Other hazards

Other hazards which do not result in classification	: Chip Priming Solution	None known.
	Focusing Dye Solution	None known.
	Blue Beads	None known.
	Cell Buffer	None known.

SECTION 3: Composition/information on ingredients

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

Product/ingredient name

No hazardous ingredient

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, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

SECTION 4: First aid measures

4.1 Description of 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.
Protection of first-aiders	: Chip Priming Solution	No action shall be taken involving any personal risk or without suitable training.
	Focusing Dye Solution	No action shall be taken involving any personal risk or without suitable training.
	Blue Beads	No action shall be taken involving any personal risk or without suitable training.
	Cell Buffer	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: 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.
Inhalation	: Chip Priming Solution	No known significant effects or critical hazards.
	Focusing Dye Solution	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Blue Beads	No known significant effects or critical hazards.
	Cell Buffer	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: 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 4: First aid measures

Ingestion	: 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.

Over-exposure signs/symptoms

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

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting 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

Hazards from the substance or mixture	: 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.

SECTION 5: Firefighting measures

Hazardous combustion products	: Chip Priming Solution	No specific data.
	Focusing Dye Solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
	Blue Beads	No specific data.
	Cell Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds

5.3 Advice for firefighters

Special precautions 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Blue Beads	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Cell Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Chip Priming Solution	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.
	Focusing Dye Solution	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.

SECTION 6: Accidental release measures

For emergency responders

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

6.3 Methods and materials for containment and cleaning up

Methods for 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

SECTION 6: Accidental release measures

of via a licensed waste disposal contractor.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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	: Chip Priming Solution	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.
	Focusing Dye Solution	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.
	Blue Beads	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.
	Cell Buffer	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 unlabelled 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 unlabelled 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

SECTION 7: Handling and storage

Cell Buffer

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. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations : Chip Priming Solution Industrial applications, Professional applications.
 Focusing Dye Solution Industrial applications, Professional applications.
 Blue Beads Industrial applications, Professional applications.
 Cell Buffer Industrial applications, Professional applications.

Industrial sector specific solutions : Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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 monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived effect levels

No DNELs available.

Predicted effect concentrations

No PNECs available.

8.2 Exposure controls

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

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.

SECTION 8: Exposure controls/personal protection**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** : 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.
- 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.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Liquid. Liquid. Liquid. Liquid.
Colour	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Blue. Not available. Not available.
Odour	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Odour threshold	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
pH	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Melting point/freezing point	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	0°C 0°C Not available. Not available.
Initial boiling point and boiling range	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	100°C 100°C Not available. Not available.
Flash point	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Evaporation rate	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.

SECTION 9: Physical and chemical properties

Flammability (solid, gas)	: Chip Priming Solution	Not applicable.
	Focusing Dye Solution	Not applicable.
	Blue Beads	Not applicable.
	Cell Buffer	Not applicable.
Upper/lower flammability or explosive limits	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Vapour pressure	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Vapour density	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Relative density	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Solubility(ies)	: Chip Priming Solution	Easily soluble in the following materials: cold water and hot water.
	Focusing Dye Solution	Easily soluble in the following materials: cold water and hot water.
	Blue Beads	Easily soluble in the following materials: cold water and hot water.
	Cell Buffer	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Auto-ignition temperature	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Decomposition temperature	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Viscosity	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.
Explosive properties	: Chip Priming Solution	Not available.
	Focusing Dye Solution	Not available.
	Blue Beads	Not available.
	Cell Buffer	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

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

SECTION 10: Stability and reactivity

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

11.1 Information on toxicological effects

Acute toxicity

Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

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 : Not available.

Potential acute health effects

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

Symptoms related to the physical, chemical and toxicological characteristics

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

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	:	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.
Carcinogenicity	:	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.
Mutagenicity	:	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.

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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.
<u>Toxicokinetics</u>		
Absorption	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Distribution	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Metabolism	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Elimination	: Chip Priming Solution Focusing Dye Solution Blue Beads Cell Buffer	Not available. Not available. Not available. Not available.
Other information	: Not available.	

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Europe inventory : Not determined.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Date of issue/ Date of revision : 30/07/2014

Date of previous issue : 26/04/2012.

Version : 3

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