## 1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>SureFISH Probes - Red - Part Numbers G100600R through G100799R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material uses</td>
<td>Analytical reagent. 0.005 ml</td>
</tr>
<tr>
<td>Supplier/Manufacturer</td>
<td>Agilent Technologies, Inc. 1834 State Highway 71 West Cedar Creek, TX 78612 800-227-9770</td>
</tr>
</tbody>
</table>

**Validation date**: 05/07/2012  
**In case of emergency**: Chemtrec: 1-800-424-9300

## 2. Hazards identification

**Physical state**: Liquid.  
**OSHA/HCS status**: 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.

**Emergency overview**

**Hazard statements**: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Precautions**: No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

**Date of issue**: 05/07/2012
2. Hazards identification

Potential acute health effects
- Inhalation: No known significant effects or critical hazards.
- Ingestion: No known significant effects or critical hazards.
- Skin: No known significant effects or critical hazards.
- Eyes: No known significant effects or critical hazards.

Potential chronic health effects
- Chronic effects: No known significant effects or critical hazards.
- Carcinogenicity: No known significant effects or critical hazards.
- Mutagenicity: No known significant effects or critical hazards.
- Teratogenicity: No known significant effects or critical hazards.
- Developmental effects: No known significant effects or critical hazards.
- Fertility effects: No known significant effects or critical hazards.

Over-exposure signs/symptoms
- Inhalation: No specific data.
- Ingestion: No specific data.
- Skin: No specific data.
- Eyes: No specific data.
- Medical conditions aggravated by over-exposure: None known.

See toxicological information (Section 11)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazardous ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

4. First aid measures

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

Notes to physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Date of issue: 05/07/2012
5. **Fire-fighting measures**

<table>
<thead>
<tr>
<th>Flammability of the product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing media</td>
</tr>
<tr>
<td>Suitable</td>
</tr>
<tr>
<td>Not suitable</td>
</tr>
<tr>
<td>Special exposure hazards</td>
</tr>
<tr>
<td>Hazardous thermal decomposition products</td>
</tr>
<tr>
<td>Special protective equipment for fire-fighters</td>
</tr>
</tbody>
</table>

6. **Accidental release measures**

| Personal precautions | 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 (see Section 8). |
| Environmental precautions | 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 for cleaning up | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

7. **Handling and storage**

| Handling | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. |
| Storage | 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. |

8. **Exposure controls/personal protection**

| Ingredient | No exposure limit value known. |
| Consult local authorities for acceptable exposure limits. | |
| 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. |
| Engineering measures | No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminant. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. |
| Hygiene measures | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Personal protection | |

**Date of issue:** 05/07/2012
8. Exposure controls/personal protection

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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

Other protection: Not available.

9. Physical and chemical properties

Physical state: Liquid.

Flash point: Not available.

Auto-ignition temperature: Not available.

Flammable limits: Not available.

Color: Not available.

Odor: Not available.

pH: Not available.

Boiling/condensation point: 100°C (212°F)

Melting/freezing point: 0°C (32°F)

Density: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Odor threshold: Not available.

Evaporation rate: Not available.

Solubility: Easily soluble in the following materials: cold water and hot water.

10. Stability and reactivity

Chemical stability: The product is stable.

Conditions to avoid: No specific data.

Materials to avoid: Reactive or incompatible with the following materials: oxidizing materials, reducing materials, metals, acids and alkalis.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

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11. Toxicological information

**Acute toxicity**
Not available.

**Irritation/Corrosion**
Conclusion/Summary: Not available.

**Sensitizer**
Conclusion/Summary: Not available.

**Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity**
Not available.

12. Ecological information

**Ecotoxicity**
: No known significant effects or critical hazards.

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

13. Disposal considerations

**Waste disposal**
The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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.

14. Transport information

**Regulatory information**

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

15. Regulatory information

**HCS Classification**
: Not regulated.

**U.S. Federal regulations**
: TSCA 8(a) IUR: Not determined
  - United States inventory (TSCA 8b): Not determined.
  - SARA 302/304/311/312 extremely hazardous substances: No products were found.
  - SARA 302/304 emergency planning and notification: No products were found.
  - SARA 302/304/311/312 hazardous chemicals: No products were found.
  - SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

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

**Clean Air Act Section 602 Class I Substances**
: Not listed

**Date of issue:** 05/07/2012
15. Regulatory information

- **Clean Air Act Section 602 Class II Substances**: Not listed
- **DEA List I Chemicals (Precursor Chemicals)**: Not listed
- **DEA List II Chemicals (Essential Chemicals)**: Not listed

**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.

16. Other information

**Label requirements**: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Date of issue**: 05/07/2012
**Date of previous issue**: No previous validation.
**Version**: 1

Indicates information that has changed from previously issued version.

**Notice to reader**
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