

# SAFETY DATA SHEET



MycoSensor QPCR Assay Kit, Part Number 302106

## Section 1. Identification

|                                |  |  |           |
|--------------------------------|--|--|-----------|
| <b>Product identifier</b>      | : MycoSensor QPCR Assay Kit, Part Number 302106                |  |           |
| <b>Part No. (Chemical Kit)</b> | : 302106   |  |           |
| <b>Part No.</b>                | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix |  | 302106-51 |
|                                | MycoSensor Primer Mix  |  | 302106-55 |
|                                | Amplification Control  |  | 302106-54 |
|                                | M. orale Positive Control                                      |  | 302106-52 |
|                                | A. laidlawii Positive Control                                  |  | 302106-53 |
|                                | Reference Dye  |  | 600530-53 |
|                                | DNA-Binding solution   |  | 400771-13 |
|                                | PCR Wash Buffer  |  | 400771-16 |

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

Analytical reagent.

|  |          |
|--|----------|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | 2.5 ml   |
| MycoSensor Primer Mix  | 0.1 ml   |
| Amplification Control  | 0.1 ml   |
| M. orale Positive Control                                      | 0.125 ml |
| A. laidlawii Positive Control                                  | 0.125 ml |
| Reference Dye  | 0.1 ml   |
| DNA-Binding solution   | 5 ml     |
| PCR Wash Buffer  | 10 ml    |

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

**Emergency telephone number (with hours of operation)** : CHEMTREC®: (61)-290372994

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

#### DNA-Binding solution

|  |   |
|--|---|
| H302   | ACUTE TOXICITY (oral) - Category 4  |
| H332   | ACUTE TOXICITY (inhalation) - Category 4  |
| H412   | LONG-TERM AQUATIC HAZARD - Category 3   |
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not applicable.   |
| MycoSensor Primer Mix  | Not applicable.   |
| Amplification Control  | Not applicable.   |
| M. orale Positive Control                                      | Not applicable.   |
| A. laidlawii Positive Control                                  | Not applicable.   |
| Reference Dye  | Not applicable.   |
| DNA-Binding solution   | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.6% |
| PCR Wash Buffer  | Not applicable.   |

## Section 2. Hazard(s) identification

|  |   |
|--|---|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 16%  |
| MycoSensor Primer Mix  | Not applicable.   |
| Amplification Control  | Not applicable.   |
| M. orale Positive Control                                      | Not applicable.   |
| A. laidlawii Positive Control                                  | Not applicable.   |
| Reference Dye  | Not applicable.   |
| DNA-Binding solution   | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6% |
| PCR Wash Buffer  | Not applicable.   |

### GHS label elements

#### Hazard pictograms



#### Signal word

|  |                 |
|--|-----------------|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No signal word. |
| MycoSensor Primer Mix  | No signal word. |
| Amplification Control  | No signal word. |
| M. orale Positive Control                                      | No signal word. |
| A. laidlawii Positive Control                                  | No signal word. |
| Reference Dye  | No signal word. |
| DNA-Binding solution   | WARNING         |
| PCR Wash Buffer  | No signal word. |

#### Hazard statements

|  |  |
|--|--|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No known significant effects or critical hazards.  |
| MycoSensor Primer Mix  | No known significant effects or critical hazards.  |
| Amplification Control  | No known significant effects or critical hazards.  |
| M. orale Positive Control                                      | No known significant effects or critical hazards.  |
| A. laidlawii Positive Control                                  | No known significant effects or critical hazards.  |
| Reference Dye  | No known significant effects or critical hazards.  |
| DNA-Binding solution   | H302 + H332 - Harmful if swallowed or if inhaled.<br>H412 - Harmful to aquatic life with long lasting effects. |
| PCR Wash Buffer  | No known significant effects or critical hazards.  |

### Precautionary statements

#### Prevention

|  |  |
|--|--|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not applicable.  |
| MycoSensor Primer Mix  | Not applicable.  |
| Amplification Control  | Not applicable.  |
| M. orale Positive Control                                      | Not applicable.  |
| A. laidlawii Positive Control                                  | Not applicable.  |
| Reference Dye  | Not applicable.  |
| DNA-Binding solution   | P271 - Use only outdoors or in a well-ventilated area.<br>P273 - Avoid release to the environment.<br>P261 - Avoid breathing vapour.<br>P270 - Do not eat, drink or smoke when using this product.<br>P264 - Wash hands thoroughly after handling. |
| PCR Wash Buffer  | Not applicable.  |

#### Response

|  |  |
|--|--|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not applicable.  |
| MycoSensor Primer Mix  | Not applicable.  |
| Amplification Control  | Not applicable.  |
| M. orale Positive Control                                      | Not applicable.  |
| A. laidlawii Positive Control                                  | Not applicable.  |
| Reference Dye  | Not applicable.  |
| DNA-Binding solution   | P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if |

## Section 2. Hazard(s) identification

|  |   |   |
|--|---|---|
|  |   | you feel unwell.<br>P301 + P312 + P330 - IF SWALLOWED: Call a<br>POISON CENTER or physician if you feel unwell.<br>Rinse mouth. |
| <b>Storage</b>   | : PCR Wash Buffer   | Not applicable.   |
|  | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix | Not applicable.   |
|  | MycoSensor Primer Mix   | Not applicable.   |
|  | Amplification Control   | Not applicable.   |
|  | M. orale Positive Control   | Not applicable.   |
|  | A. laidlawii Positive Control                                       | Not applicable.   |
|  | Reference Dye   | Not applicable.   |
|  | DNA-Binding solution  | Not applicable.   |
|  | PCR Wash Buffer   | Not applicable.   |
| <b>Disposal</b>  | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix | Not applicable.   |
|  | MycoSensor Primer Mix   | Not applicable.   |
|  | Amplification Control   | Not applicable.   |
|  | M. orale Positive Control   | Not applicable.   |
|  | A. laidlawii Positive Control                                       | Not applicable.   |
|  | Reference Dye   | Not applicable.   |
|  | DNA-Binding solution  | P501 - Dispose of contents and container in<br>accordance with all local, regional, national and<br>international regulations.  |
|  | PCR Wash Buffer   | Not applicable.   |
| <b>Supplemental label<br/>elements</b>                         | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix | Not applicable.   |
|  | MycoSensor Primer Mix   | Not applicable.   |
|  | Amplification Control   | Not applicable.   |
|  | M. orale Positive Control   | Not applicable.   |
|  | A. laidlawii Positive Control                                       | Not applicable.   |
|  | Reference Dye   | Not applicable.   |
|  | DNA-Binding solution  | Not applicable.   |
|  | PCR Wash Buffer   | Not applicable.   |
| <b>Other hazards which do not<br/>result in classification</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix | None known.   |
|  | MycoSensor Primer Mix   | None known.   |
|  | Amplification Control   | None known.   |
|  | M. orale Positive Control   | None known.   |
|  | A. laidlawii Positive Control                                       | None known.   |
|  | Reference Dye   | None known.   |
|  | DNA-Binding solution  | None known.   |
|  | PCR Wash Buffer   | None known.   |

## Section 3. Composition and ingredient information

|                          |   |         |
|--------------------------|---|---------|
| <b>Substance/mixture</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR | Mixture |
|                          | Master Mix  |         |
|                          | MycoSensor Primer Mix                                 | Mixture |
|                          | Amplification Control                                 | Mixture |
|                          | M. orale Positive Control                             | Mixture |
|                          | A. laidlawii Positive Control                         | Mixture |
|                          | Reference Dye   | Mixture |
|                          | DNA-Binding solution                                  | Mixture |
|                          | PCR Wash Buffer                                       | Mixture |

### CAS number/other identifiers

## Section 3. Composition and ingredient information

| Ingredient name  | % (w/w)   | CAS number |
|--|-----------|------------|
| <b>2X MycoSensor QPCR Master Mix</b><br>Glycerol       | ≥10 - <30 | 56-81-5    |
| <b>DNA-Binding solution</b><br>Guanidinium thiocyanate | ≥30 - <55 | 593-84-0   |

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

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

## Section 4. First-aid measures

### Description of necessary first aid measures

|                               |  |  |   |
|-------------------------------|--|--|---|
| <b>Eye contact</b>            | : <b>2X MycoSensor QPCR Master Mix</b> | 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.  |   |
|                               | MycoSensor Primer Mix                  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |   |
|                               | Amplification Control                  | 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.  |   |
|                               | M. orale Positive Control              | 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.  |   |
|                               | A. laidlawii Positive Control          | 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.  |   |
|                               | Reference Dye                          | 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.  |   |
|                               | DNA-Binding solution                   | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs. |   |
|                               | PCR Wash 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.  |   |
|                               | <b>Inhalation</b>                      | : <b>2X MycoSensor QPCR Master Mix</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
|                               |  | MycoSensor Primer Mix  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Amplification Control         |  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |   |
| M. orale Positive Control     |  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |   |
| A. laidlawii Positive Control |  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |   |

## Section 4. First-aid measures

|                     |  |   |
|---------------------|--|---|
|                     | Reference Dye  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
|                     | DNA-Binding solution   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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. |
|                     | PCR Wash Buffer  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
| <b>Skin contact</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | MycoSensor Primer Mix  | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | Amplification Control  | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | M. orale Positive Control  | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | A. laidlawii Positive Control                                    | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | Reference Dye  | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
|                     | DNA-Binding solution   | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
|                     | PCR Wash Buffer  | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| <b>Ingestion</b>    | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | 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.   |
|                     | MycoSensor Primer Mix  | 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.   |

## Section 4. First-aid measures

|                               |  |
|-------------------------------|--|
| Amplification Control         | 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.  |
| M. orale Positive Control     | 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.  |
| A. laidlawii Positive Control | 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.  |
| Reference Dye                 | 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.  |
| DNA-Binding solution          | Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| PCR Wash 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.  |

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

|                    |  |   |
|--------------------|--|---|
| <b>Eye contact</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No known significant effects or critical hazards. |
|                    | MycoSensor Primer Mix  | No known significant effects or critical hazards. |
|                    | Amplification Control  | No known significant effects or critical hazards. |
|                    | M. orale Positive Control  | No known significant effects or critical hazards. |
|                    | A. laidlawii Positive Control                                    | No known significant effects or critical hazards. |
|                    | Reference Dye  | No known significant effects or critical hazards. |
|                    | DNA-Binding solution   | No known significant effects or critical hazards. |

## Section 4. First-aid measures

|                     |   |  |
|---------------------|---|--|
| <b>Inhalation</b>   | : <input checked="" type="checkbox"/> PCR Wash Buffer<br><input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Harmful if inhaled.<br>No known significant effects or critical hazards. |
| <b>Skin contact</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer  | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.                        |
| <b>Ingestion</b>    | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer  | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Harmful if swallowed.<br>No known significant effects or critical hazards.  |

### Over-exposure signs/symptoms

|                     |  |  |
|---------------------|--|--|
| <b>Eye contact</b>  | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data. |
| <b>Inhalation</b>   | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data. |
| <b>Skin contact</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data. |

## Section 4. First-aid measures

|                  |  |                   |
|------------------|--|-------------------|
| <b>Ingestion</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No specific data. |
|                  | MycoSensor Primer Mix  | No specific data. |
|                  | Amplification Control  | No specific data. |
|                  | M. orale Positive Control  | No specific data. |
|                  | A. laidlawii Positive Control                                    | No specific data. |
|                  | Reference Dye  | No specific data. |
|                  | DNA-Binding solution   | No specific data. |
|                  | PCR Wash Buffer  | No specific data. |

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

|                           |  |   |
|---------------------------|--|---|
| <b>Notes to physician</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           | MycoSensor Primer Mix  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           | Amplification Control  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           | M. orale Positive Control  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           | A. laidlawii Positive Control                                    | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           | Reference Dye  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           | DNA-Binding 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. |
|                           | PCR Wash Buffer  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |

|                            |  |                        |
|----------------------------|--|------------------------|
| <b>Specific treatments</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No specific treatment. |
|                            | MycoSensor Primer Mix  | No specific treatment. |
|                            | Amplification Control  | No specific treatment. |
|                            | M. orale Positive Control  | No specific treatment. |
|                            | A. laidlawii Positive Control                                    | No specific treatment. |
|                            | Reference Dye  | No specific treatment. |
|                            | DNA-Binding solution   | No specific treatment. |
|                            | PCR Wash Buffer  | No specific treatment. |

|                                   |  |  |
|-----------------------------------|--|--|
| <b>Protection of first-aiders</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | MycoSensor Primer Mix  | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | Amplification Control  | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | M. orale Positive Control  | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | A. laidlawii Positive Control                                    | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | Reference Dye  | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | DNA-Binding solution   | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person |



## Section 4. First-aid measures

PCR Wash Buffer

providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

|  |   |
|--|---|
| : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Use an extinguishing agent suitable for the surrounding fire. |
| MycoSensor Primer Mix  | Use an extinguishing agent suitable for the surrounding fire. |
| Amplification Control  | Use an extinguishing agent suitable for the surrounding fire. |
| M. orale Positive Control  | Use an extinguishing agent suitable for the surrounding fire. |
| A. laidlawii Positive Control                                    | Use an extinguishing agent suitable for the surrounding fire. |
| Reference Dye  | Use an extinguishing agent suitable for the surrounding fire. |
| DNA-Binding solution   | Use an extinguishing agent suitable for the surrounding fire. |
| PCR Wash Buffer  | Use an extinguishing agent suitable for the surrounding fire. |

#### Unsuitable extinguishing media

|  |             |
|--|-------------|
| : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | None known. |
| MycoSensor Primer Mix  | None known. |
| Amplification Control  | None known. |
| M. orale Positive Control  | None known. |
| A. laidlawii Positive Control                                    | None known. |
| Reference Dye  | None known. |
| DNA-Binding solution   | None known. |
| PCR Wash Buffer  | None known. |

#### Specific hazards arising from the chemical

|  |   |
|--|---|
| : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| MycoSensor Primer Mix  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Amplification Control  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| M. orale Positive Control  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| A. laidlawii Positive Control                                    | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Reference Dye  | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| DNA-Binding solution   | In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| PCR Wash Buffer  | In a fire or if heated, a pressure increase will occur and the container may burst.   |

#### Hazardous thermal decomposition products

|  |   |
|--|---|
| : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>sulfur oxides |
| MycoSensor Primer Mix  | No specific data.   |
| Amplification Control  | No specific data.   |

## Section 5. Fire-fighting measures

|                               |   |
|-------------------------------|---|
| M. orale Positive Control     | No specific data.   |
| A. laidlawii Positive Control | No specific data.   |
| Reference Dye                 | No specific data.   |
| DNA-Binding solution          | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>halogenated compounds |
| PCR Wash Buffer               | No specific data.   |

### Special protective actions for fire-fighters

|  |   |
|--|---|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| MycoSensor Primer Mix  | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Amplification Control  | 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. |
| M. orale Positive Control                                      | 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. |
| A. laidlawii Positive Control                                  | 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. |
| Reference Dye  | 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. |
| DNA-Binding 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. |
| PCR Wash 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

|  |   |
|--|---|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| MycoSensor Primer Mix  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Amplification Control  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| M. orale Positive Control                                      | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| A. laidlawii Positive Control                                  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive                |

## Section 5. Fire-fighting measures

|                      |   |
|----------------------|---|
| Reference Dye        | pressure mode.<br>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| DNA-Binding solution | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |
| PCR Wash Buffer      | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                   |

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                                    |   |  |   |
|------------------------------------|---|--|---|
| <b>For non-emergency personnel</b> | : | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
|                                    |   | MycoSensor Primer Mix  | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
|                                    |   | Amplification Control  | 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.   |
|                                    |   | M. orale Positive Control                                      | 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.   |
|                                    |   | A. laidlawii Positive Control                                  | 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.   |
|                                    |   | Reference Dye  | 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.   |
|                                    |   | DNA-Binding 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|                                    |   | PCR Wash Buffer  | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding   |

## Section 6. Accidental release measures

|                                  |  |   |
|----------------------------------|--|---|
|                                  |  | areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| <b>For emergency responders</b>  | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | 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".             |
|                                  | MycoSensor Primer Mix  | 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".             |
|                                  | Amplification Control  | 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".             |
|                                  | M. orale Positive Control                                      | 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".             |
|                                  | A. laidlawii Positive Control                                  | 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".             |
|                                  | Reference Dye  | 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".             |
|                                  | DNA-Binding 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".             |
|                                  | PCR Wash 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".             |
| <b>Environmental precautions</b> | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | 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). |
|                                  | MycoSensor Primer Mix  | 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). |
|                                  | Amplification Control  | 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). |
|                                  | M. orale Positive Control                                      | 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). |
|                                  | A. laidlawii Positive Control                                  | 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). |
|                                  | Reference Dye  | Avoid dispersal of spilt material and runoff and  |

## Section 6. Accidental release measures

|                      |  |
|----------------------|--|
| DNA-Binding solution | contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).   |
| PCR Wash 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). Water polluting material. May be harmful to the environment if released in large quantities. |
| PCR Wash 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).  |

### Methods and material for containment and cleaning up

|                                |  |   |
|--------------------------------|--|---|
| <b>Methods for cleaning up</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
|                                | MycoSensor Primer Mix  | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
|                                | Amplification Control  | 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. |
|                                | M. orale Positive Control  | 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. |
|                                | A. laidlawii Positive Control                                    | 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. |
|                                | Reference Dye  | 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. |
|                                | DNA-Binding 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. |
|                                | PCR Wash 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 contractor.   |

## Section 6. Accidental release measures

disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

|  |  |
|--|--|
| <p><input checked="" type="checkbox"/> MycoSensor QPCR Master Mix</p> <p>MycoSensor Primer Mix</p> <p>Amplification Control</p> <p>M. orale Positive Control</p> <p>A. laidlawii Positive Control</p> <p>Reference Dye</p> <p>DNA-Binding solution</p><br><p>PCR Wash Buffer</p> | <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> |
|--|--|

#### Advice on general occupational hygiene

|   |  |
|---|--|
| <p><input checked="" type="checkbox"/> MycoSensor QPCR Master Mix</p><br><p>MycoSensor Primer Mix</p><br><p>Amplification Control</p><br><p>M. orale Positive Control</p><br><p>A. laidlawii Positive Control</p> | <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> |
|---|--|

## Section 7. Handling and storage

Reference Dye

before entering eating areas. See also Section 8 for additional information on hygiene measures. 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.

DNA-Binding 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.

PCR Wash 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.

**Conditions for safe storage, including any incompatibilities** :  MycoSensur QPCR Master Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

MycoSensur Primer Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Amplification Control

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.

M. orale Positive Control

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

## Section 7. Handling and storage

A. *laidlawii* Positive Control

environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Reference Dye

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.

DNA-Binding solution

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.

PCR Wash Buffer

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.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name                           | Exposure limits   |
|---|---|
| 2X MycoSensor QPCR Master Mix<br>Glycerol | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours. |

### 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



## Section 8. Exposure controls and personal protection

- 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: chemical splash goggles.
- 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- 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.

## Section 9. Physical and chemical properties

### Appearance

|                       |   |  |                |
|-----------------------|---|--|----------------|
| <b>Physical state</b> | : | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Liquid.        |
|                       |   | MycoSensor Primer Mix  | Liquid.        |
|                       |   | Amplification Control  | Liquid.        |
|                       |   | M. orale Positive Control                                      | Liquid.        |
|                       |   | A. laidlawii Positive Control                                  | Liquid.        |
|                       |   | Reference Dye  | Liquid.        |
|                       |   | DNA-Binding solution   | Liquid.        |
|                       |   | PCR Wash Buffer  | Liquid.        |
| <b>Colour</b>         | : | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available. |
|                       |   | MycoSensor Primer Mix  | Not available. |
|                       |   | Amplification Control  | Not available. |
|                       |   | M. orale Positive Control                                      | Not available. |
|                       |   | A. laidlawii Positive Control                                  | Not available. |
|                       |   | Reference Dye  | Not available. |
|                       |   | DNA-Binding solution   | Not available. |
|                       |   | PCR Wash Buffer  | Not available. |
| <b>Odour</b>          | : | <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available. |
|                       |   | MycoSensor Primer Mix  | Not available. |
|                       |   | Amplification Control  | Not available. |
|                       |   | M. orale Positive Control                                      | Not available. |
|                       |   | A. laidlawii Positive Control                                  | Not available. |
|                       |   | Reference Dye  | Not available. |
|                       |   | DNA-Binding solution   | Not available. |
|                       |   | PCR Wash Buffer  | Not available. |

## Section 9. Physical and chemical properties

|                                  |   |                 |
|----------------------------------|---|-----------------|
| <b>Odour threshold</b>           | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available.  |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | Not available.  |
|                                  | Amplification Control                                 | Not available.  |
|                                  | M. orale Positive Control                             | Not available.  |
|                                  | A. laidlawii Positive Control                         | Not available.  |
|                                  | Reference Dye   | Not available.  |
|                                  | DNA-Binding solution                                  | Not available.  |
| <b>pH</b>                        | : <input checked="" type="checkbox"/> MycoSensor QPCR | 8               |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | 7.5             |
|                                  | Amplification Control                                 | 7.5             |
|                                  | M. orale Positive Control                             | 8               |
|                                  | A. laidlawii Positive Control                         | 8               |
|                                  | Reference Dye   | 8               |
|                                  | DNA-Binding solution                                  | 6.4             |
| <b>Melting point</b>             | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available.  |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | 0°C (32°F)      |
|                                  | Amplification Control                                 | 0°C (32°F)      |
|                                  | M. orale Positive Control                             | Not available.  |
|                                  | A. laidlawii Positive Control                         | Not available.  |
|                                  | Reference Dye   | 0°C (32°F)      |
|                                  | DNA-Binding solution                                  | Not available.  |
| <b>Boiling point</b>             | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available.  |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | 100°C (212°F)   |
|                                  | Amplification Control                                 | 100°C (212°F)   |
|                                  | M. orale Positive Control                             | Not available.  |
|                                  | A. laidlawii Positive Control                         | Not available.  |
|                                  | Reference Dye   | 100°C (212°F)   |
|                                  | DNA-Binding solution                                  | Not available.  |
| <b>Flash point</b>               | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available.  |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | Not available.  |
|                                  | Amplification Control                                 | Not available.  |
|                                  | M. orale Positive Control                             | Not available.  |
|                                  | A. laidlawii Positive Control                         | Not available.  |
|                                  | Reference Dye   | Not available.  |
|                                  | DNA-Binding solution                                  | Not available.  |
| <b>Evaporation rate</b>          | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available.  |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | Not available.  |
|                                  | Amplification Control                                 | Not available.  |
|                                  | M. orale Positive Control                             | Not available.  |
|                                  | A. laidlawii Positive Control                         | Not available.  |
|                                  | Reference Dye   | Not available.  |
|                                  | DNA-Binding solution                                  | Not available.  |
| <b>Flammability (solid, gas)</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not applicable. |
|                                  | Master Mix  |                 |
|                                  | MycoSensor Primer Mix                                 | Not applicable. |
|                                  | Amplification Control                                 | Not applicable. |
|                                  | M. orale Positive Control                             | Not applicable. |
|                                  | A. laidlawii Positive Control                         | Not applicable. |
|                                  | Reference Dye   | Not applicable. |
|                                  | DNA-Binding solution                                  | Not applicable. |

## Section 9. Physical and chemical properties

|   |  |  |
|---|--|--|
|   | PCR Wash Buffer  | Not applicable.  |
| <b>Lower and upper explosive (flammable) limits</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available.   |
|   | MycoSensor Primer Mix  | Not available.   |
|   | Amplification Control  | Not available.   |
|   | M. orale Positive Control  | Not available.   |
|   | A. laidlawii Positive Control                                    | Not available.   |
|   | Reference Dye  | Not available.   |
|   | DNA-Binding solution   | Not available.   |
|   | PCR Wash Buffer  | Not available.   |
| <b>Vapour pressure</b>                              | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available.   |
|   | MycoSensor Primer Mix  | Not available.   |
|   | Amplification Control  | Not available.   |
|   | M. orale Positive Control  | Not available.   |
|   | A. laidlawii Positive Control                                    | Not available.   |
|   | Reference Dye  | Not available.   |
|   | DNA-Binding solution   | Not available.   |
|   | PCR Wash Buffer  | Not available.   |
| <b>Vapour density</b>                               | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available.   |
|   | MycoSensor Primer Mix  | Not available.   |
|   | Amplification Control  | Not available.   |
|   | M. orale Positive Control  | Not available.   |
|   | A. laidlawii Positive Control                                    | Not available.   |
|   | Reference Dye  | Not available.   |
|   | DNA-Binding solution   | Not available.   |
|   | PCR Wash Buffer  | Not available.   |
| <b>Relative density</b>                             | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available.   |
|   | MycoSensor Primer Mix  | Not available.   |
|   | Amplification Control  | Not available.   |
|   | M. orale Positive Control  | Not available.   |
|   | A. laidlawii Positive Control                                    | Not available.   |
|   | Reference Dye  | Not available.   |
|   | DNA-Binding solution   | Not available.   |
|   | PCR Wash Buffer  | Not available.   |
| <b>Solubility</b>                                   | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Easily soluble in the following materials: cold water and hot water. |
|   | MycoSensor Primer Mix  | Easily soluble in the following materials: cold water and hot water. |
|   | Amplification Control  | Easily soluble in the following materials: cold water and hot water. |
|   | M. orale Positive Control  | Easily soluble in the following materials: cold water and hot water. |
|   | A. laidlawii Positive Control                                    | Easily soluble in the following materials: cold water and hot water. |
|   | Reference Dye  | Easily soluble in the following materials: cold water and hot water. |
|   | DNA-Binding solution   | Soluble in the following materials: cold water and hot water.        |
|   | PCR Wash Buffer  | Easily soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b>       | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Not available.   |
|   | MycoSensor Primer Mix  | Not available.   |
|   | Amplification Control  | Not available.   |
|   | M. orale Positive Control  | Not available.   |
|   | A. laidlawii Positive Control                                    | Not available.   |
|   | Reference Dye  | Not available.   |
|   | DNA-Binding solution   | Not available.   |
|   | PCR Wash Buffer  | Not available.   |

## Section 9. Physical and chemical properties

|                                  |   |                |
|----------------------------------|---|----------------|
| <b>Auto-ignition temperature</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available. |
|                                  | Master Mix  |                |
|                                  | MycoSensor Primer Mix                                 | Not available. |
|                                  | Amplification Control                                 | Not available. |
|                                  | M. orale Positive Control                             | Not available. |
|                                  | A. laidlawii Positive Control                         | Not available. |
|                                  | Reference Dye   | Not available. |
|                                  | DNA-Binding solution                                  | Not available. |
| <b>Decomposition temperature</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available. |
|                                  | Master Mix  |                |
|                                  | MycoSensor Primer Mix                                 | Not available. |
|                                  | Amplification Control                                 | Not available. |
|                                  | M. orale Positive Control                             | Not available. |
|                                  | A. laidlawii Positive Control                         | Not available. |
|                                  | Reference Dye   | Not available. |
|                                  | DNA-Binding solution                                  | Not available. |
| <b>Viscosity</b>                 | : <input checked="" type="checkbox"/> MycoSensor QPCR | Not available. |
|                                  | Master Mix  |                |
|                                  | MycoSensor Primer Mix                                 | Not available. |
|                                  | Amplification Control                                 | Not available. |
|                                  | M. orale Positive Control                             | Not available. |
|                                  | A. laidlawii Positive Control                         | Not available. |
|                                  | Reference Dye   | Not available. |
|                                  | DNA-Binding solution                                  | Not available. |
| PCR Wash Buffer                  | Not available.  |                |

## Section 10. Stability and reactivity

|                           |   |  |
|---------------------------|---|--|
| <b>Reactivity</b>         | : <input checked="" type="checkbox"/> MycoSensor QPCR | No specific test data related to reactivity available for this product or its ingredients. |
|                           | Master Mix  | No specific test data related to reactivity available for this product or its ingredients. |
|                           | MycoSensor Primer Mix                                 | No specific test data related to reactivity available for this product or its ingredients. |
|                           | Amplification Control                                 | No specific test data related to reactivity available for this product or its ingredients. |
|                           | M. orale Positive Control                             | No specific test data related to reactivity available for this product or its ingredients. |
|                           | A. laidlawii Positive Control                         | No specific test data related to reactivity available for this product or its ingredients. |
|                           | Reference Dye   | No specific test data related to reactivity available for this product or its ingredients. |
|                           | DNA-Binding solution                                  | No specific test data related to reactivity available for this product or its ingredients. |
| <b>Chemical stability</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR | The product is stable.   |
|                           | Master Mix  | The product is stable.   |
|                           | MycoSensor Primer Mix                                 | The product is stable.   |
|                           | Amplification Control                                 | The product is stable.   |
|                           | M. orale Positive Control                             | The product is stable.   |
|                           | A. laidlawii Positive Control                         | The product is stable.   |
|                           | Reference Dye   | The product is stable.   |
|                           | DNA-Binding solution                                  | The product is stable.   |
| PCR Wash Buffer           | The product is stable.                                |  |

## Section 10. Stability and reactivity

|   |  |  |
|---|--|--|
| <b>Possibility of hazardous reactions</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous reactions will not occur.   |
| <b>Conditions to avoid</b>                | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.  |
| <b>Incompatible materials</b>             | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.<br>May react or be incompatible with oxidising materials.   |
| <b>Hazardous decomposition products</b>   | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced.<br>Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name  | Result    | Species | Dose        | Exposure |
|--|-----------|---------|-------------|----------|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>Glycerol | LD50 Oral | Rat     | 12600 mg/kg | -        |

#### Irritation/Corrosion

| Product/ingredient name  | Result               | Species | Score | Exposure                | Observation |
|--|----------------------|---------|-------|-------------------------|-------------|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>Glycerol | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|  | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |

#### Sensitisation

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

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

|  |  |
|--|--|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| MycoSensor Primer Mix  | Not available.   |
| Amplification Control  | Not available.   |
| M. orale Positive Control                                      | Not available.   |
| A. laidlawii Positive Control                                  | Not available.   |
| Reference Dye  | Not available.   |
| DNA-Binding solution   | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| PCR Wash Buffer  | Not available.   |

#### Potential acute health effects

##### Eye contact

|  |   |
|--|---|
| <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix | No known significant effects or critical hazards. |
| MycoSensor Primer Mix  | No known significant effects or critical hazards. |
| Amplification Control  | No known significant effects or critical hazards. |
| M. orale Positive Control                                      | No known significant effects or critical hazards. |
| A. laidlawii Positive Control                                  | No known significant effects or critical hazards. |
| Reference Dye  | No known significant effects or critical hazards. |
| DNA-Binding solution   | No known significant effects or critical hazards. |
| PCR Wash Buffer  | No known significant effects or critical hazards. |

## Section 11. Toxicological information

|                     |   |  |
|---------------------|---|--|
| <b>Inhalation</b>   | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Harmful if inhaled.<br>No known significant effects or critical hazards.                               |
| <b>Skin contact</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>Harmful if swallowed.<br>No known significant effects or critical hazards.                             |

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

|                     |   |  |
|---------------------|---|--|
| <b>Eye contact</b>  | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data. |
| <b>Inhalation</b>   | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data. |
| <b>Skin contact</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data. |

## Section 11. Toxicological information

|                  |  |  |
|------------------|--|--|
| <b>Ingestion</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>No specific data.<br>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

Not available.

|                        |  |  |
|------------------------|--|--|
| <b>General</b>         | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Carcinogenicity</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Mutagenicity</b>    | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Teratogenicity</b>  | : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |



## Section 11. Toxicological information

|                              |   |   |
|------------------------------|---|---|
| <b>Developmental effects</b> | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | : <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>MycoSensor Primer Mix<br>Amplification Control<br>M. orale Positive Control<br>A. laidlawii Positive Control<br>Reference Dye<br>DNA-Binding solution<br>PCR Wash Buffer | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route  | ATE value    |
|--|--------------|
| <input checked="" type="checkbox"/> DNA-Binding solution |              |
| Oral   | 1057.1 mg/kg |
| Dermal   | 2325.6 mg/kg |
| Inhalation (dusts and mists)                             | 3.171 mg/l   |

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name   | LogP <sub>ow</sub> | BCF | Potential |
|---|--------------------|-----|-----------|
| <input checked="" type="checkbox"/> MycoSensor QPCR<br>Master Mix<br>Glycerol | -1.76              | -   | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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

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

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons



### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

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

### International regulations

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

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

**Canada** : Not determined.  
**China** : All components are listed or exempted.  
**Europe** : Not determined.  
**Japan** : Not determined.  
**Malaysia** : Not determined.  
**New Zealand** : Not determined.

## Section 15. Regulatory information

|                   |                   |
|-------------------|-------------------|
| Philippines       | : Not determined. |
| Republic of Korea | : Not determined. |
| Taiwan            | : Not determined. |
| United States     | : Not determined. |

## Section 16. Any other relevant information

### History

|                                |               |
|--------------------------------|---------------|
| Date of issue/Date of revision | : 16/11/2015  |
| Date of previous issue         | : 30/10/2013. |
| Version                        | : 3.01        |

### Key to abbreviations

|   |
|---|
| ADG = Australian Dangerous Goods  |
| ATE = Acute Toxicity Estimate   |
| BCF = Bioconcentration Factor   |
| GHS = Globally Harmonized System of Classification and Labelling of Chemicals   |
| IATA = International Air Transport Association  |
| IBC = Intermediate Bulk Container   |
| IMDG = International Maritime Dangerous Goods   |
| LogPow = logarithm of the octanol/water partition coefficient   |
| MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) |
| NOHSC = National Occupational Health and Safety Commission  |
| SUSMP = Standard Uniform Schedule of Medicine and Poisons   |
| UN = United Nations   |

### Procedure used to derive the classification

| Classification  | Justification  |
|---|--|
| <input checked="" type="checkbox"/> DNA-Binding solution<br>Acute Tox. 4, H302<br>Acute Tox. 4, H332<br>Aquatic Chronic 3, H412 | Calculation method<br>Calculation method<br>Calculation method |

References : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

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