

SAFETY DATA SHEET



MycoSensor QPCR Assay Kit, Part Number 302107

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

1.1 Product identifier

Product name	: MycoSensor QPCR Assay Kit, Part Number 302107
Part no. (chemical kit)	: 302107
Part no.	: <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
	Wash Buffer (5X) 400771-16
	DNA-Binding Solution 400771-13

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

Material uses	: Analytical reagent.
	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix 1.25 ml
	MycoSensor Primer Mix 0.1 ml (100 µl)
	Amplification Control 0.1 ml (100 µl)
	M. orale Positive Control 0.125 ml (125 µl)
	A. laidlawii Positive Control 0.125 ml (125 µl)
	Reference Dye 0.1 ml (100 µl 1 mM)
	Wash Buffer (5X) 10 ml
	DNA-Binding Solution 5 ml

1.3 Details of the supplier of the safety data sheet

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

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

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix Mixture
	MycoSensor Primer Mix Mixture
	Amplification Control Mixture
	M. orale Positive Control Mixture
	A. laidlawii Positive Control Mixture
	Reference Dye Mixture
	Wash Buffer (5X) Mixture

Date of issue/Date of revision : 23/05/2018

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SECTION 2: Hazards identification

DNA-Binding Solution Mixture

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

DNA-Binding Solution

H302 ACUTE TOXICITY (oral) - Category 4
 H332 ACUTE TOXICITY (inhalation) - Category 4
 H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

Ingredients of unknown toxicity : MycoSensor QPCR Master Mix Reference Dye
 Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
 Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
 DNA-Binding Solution
 Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

Ingredients of unknown ecotoxicity : Reference Dye
 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.4%
 DNA-Binding Solution
 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%

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

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

2.2 Label elements

Hazard pictograms : DNA-Binding Solution



Signal word : MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution
 No signal word.
 No signal word.
 No signal word.
 No signal word.
 No signal word.
 No signal word.
 No signal word.
 Warning

Hazard statements : MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 H302 + H332 - Harmful if swallowed or if inhaled.
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

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SECTION 2: Hazards identification

Prevention	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
Response	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
Storage	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: <input checked="" type="checkbox"/> Reference Dye DNA-Binding Solution	Not applicable. - salts of thiocyanic acid
Supplemental label elements	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Not applicable. Not applicable. Not applicable. Not applicable. Safety data sheet available on request. Not applicable. Not applicable.

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SECTION 2: Hazards identification

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : 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.
 Wash Buffer (5X) Not applicable.
 DNA-Binding Solution Not applicable.

Special packaging requirements

Tactile warning of danger : 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.
 Wash Buffer (5X) Not applicable.
 DNA-Binding Solution Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : 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.
 Wash Buffer (5X) None known.
 DNA-Binding Solution None known.

SECTION 3: Composition/information on ingredients

3.1 Substances : MycoSensor QPCR Master Mix Mixture
 MycoSensor Primer Mix Mixture
 Amplification Control Mixture
 M. orale Positive Control Mixture
 A. laidlawii Positive Control Mixture
 Reference Dye Mixture
 Wash Buffer (5X) Mixture
 DNA-Binding Solution Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	[2]
Reference Dye 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
DNA-Binding Solution Guanidinium thiocyanate	EC: 209-812-1 CAS: 593-84-0	≥25 - ≤50	Acute Tox. 4, H302 Acute Tox. 4, H312	[1]

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SECTION 3: Composition/information on ingredients

2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	Index: 615-004-00-3 EC: 214-684-5 CAS: 1185-53-1	≤3	Acute Tox. 4, H332 Aquatic Chronic 3, H412 EUH032 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.	[1]
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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.

Type

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master 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.
	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.
	Wash Buffer (5X)	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.
Inhalation	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	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	Remove victim to fresh air and keep at rest in a position

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Control	comfortable for breathing. Get medical attention if symptoms occur.
Reference Dye	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Wash Buffer (5X)	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.

Skin contact

: <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.
Wash Buffer (5X)	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.

Ingestion

: <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

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Amplification Control	conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. 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.
Wash Buffer (5X)	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.

Protection of first-aiders : <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.
Wash Buffer (5X)	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

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SECTION 4: First aid measures

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 providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Harmful if inhaled.
Skin contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
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Inhalation	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Skin contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Ingestion	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	None known. None known. None known. None known. None known. None known. None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. 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.
Hazardous combustion products	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides No specific data. No specific data. No specific data. No specific data. Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides No specific data. Decomposition products may include the following materials:

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carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
halogenated compounds

5.3 Advice for firefighters

Special precautions 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.
Wash Buffer (5X)	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.

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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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 pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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Reference Dye	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Wash Buffer (5X)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: <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.
Wash Buffer (5X)	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

SECTION 6: Accidental release measures

For emergency responders

: MycoSensor QPCR Master Mix

appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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".

Wash Buffer (5X)

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".

6.2 Environmental precautions

: 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 contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Wash Buffer (5X)

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

SECTION 6: Accidental release measures

DNA-Binding Solution	<p>authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>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.</p>
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6.3 Methods and material for containment and cleaning up

<p>Methods for cleaning up : <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix</p>	<p>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.</p>
MycoSensor Primer Mix	<p>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.</p>
Amplification Control	<p>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.</p>
M. orale Positive Control	<p>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.</p>
A. laidlawii Positive Control	<p>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.</p>
Reference Dye	<p>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.</p>
Wash Buffer (5X)	<p>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.</p>
DNA-Binding Solution	<p>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.</p>

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	:	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	Put on appropriate personal protective equipment (see Section 8).
		MycoSensor Primer Mix	Put on appropriate personal protective equipment (see Section 8).
		Amplification Control	Put on appropriate personal protective equipment (see Section 8).
		M. orale Positive Control	Put on appropriate personal protective equipment (see Section 8).
		A. laidlawii Positive Control	Put on appropriate personal protective equipment (see Section 8).
		Reference Dye	Put on appropriate personal protective equipment (see Section 8).
		Wash Buffer (5X)	Put on appropriate personal protective equipment (see Section 8).
		DNA-Binding Solution	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.
Advice on general occupational hygiene	:	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
		MycoSensor Primer Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
		Amplification Control	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.
		M. orale Positive Control	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.
		A. laidlawii Positive Control	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.
		Reference Dye	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.
		Wash Buffer (5X)	Eating, drinking and smoking should be prohibited in areas

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SECTION 7: Handling and storage

DNA-Binding Solution

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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: MycoSensor 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. See Section 10 for incompatible materials before handling or use.

MycoSensor 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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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 environmental contamination. See Section 10 for incompatible materials before handling or use.

A. laidlawii 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 environmental

SECTION 7: Handling and storage

Reference Dye	contamination. See Section 10 for incompatible materials before handling or use. 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. See Section 10 for incompatible materials before handling or use.
Wash Buffer (5X)	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. See Section 10 for incompatible materials before handling or use.
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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	Industrial applications, Professional applications.
MycoSensor Primer Mix	Industrial applications, Professional applications.
Amplification Control	Industrial applications, Professional applications.
M. orale Positive Control	Industrial applications, Professional applications.
A. laidlawii Positive Control	Industrial applications, Professional applications.
Reference Dye	Industrial applications, Professional applications.
Wash Buffer (5X)	Industrial applications, Professional applications.
DNA-Binding Solution	Industrial applications, Professional applications.

Industrial sector specific solutions

: <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.
Wash Buffer (5X)	Not applicable.
DNA-Binding Solution	Not applicable.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

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

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

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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SECTION 8: Exposure controls/personal protection

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : 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.
 Wash Buffer (5X) Liquid.
 DNA-Binding Solution Liquid.

Colour : 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.
 Wash Buffer (5X) Not available.
 DNA-Binding Solution Not available.

Odour : 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.
 Wash Buffer (5X) Not available.
 DNA-Binding Solution Not available.

Odour threshold : 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.
 Wash Buffer (5X) Not available.
 DNA-Binding Solution Not available.

pH : MycoSensor QPCR Master Mix 8
 MycoSensor Primer Mix 7.5
 Amplification Control 7.5
 M. orale Positive Control 8
 A. laidlawii Positive Control 8
 Reference Dye 8
 Wash Buffer (5X) 6.4
 DNA-Binding Solution 6.4

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SECTION 9: Physical and chemical properties

Melting point/freezing point	: <input checked="" type="checkbox"/> MycoSensor QPCR	Not available.
	Master Mix	
	MycoSensor Primer Mix	0°C
	Amplification Control	0°C
	M. orale Positive Control	0°C
	A. laidlawii Positive Control	0°C
	Reference Dye	Not available.
	Wash Buffer (5X)	0°C
	DNA-Binding Solution	Not available.
Initial boiling point and boiling range	: <input checked="" type="checkbox"/> MycoSensor QPCR	Not available.
	Master Mix	
	MycoSensor Primer Mix	100°C
	Amplification Control	100°C
	M. orale Positive Control	100°C
	A. laidlawii Positive Control	100°C
	Reference Dye	Not available.
	Wash Buffer (5X)	100°C
	DNA-Binding Solution	Not available.
Flash point	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Evaporation rate	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Flammability (solid, gas)	: <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.
	Wash Buffer (5X)	Not applicable.
	DNA-Binding Solution	Not applicable.
Upper/lower flammability or explosive limits	: <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.

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SECTION 9: Physical and chemical properties

	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Vapour pressure	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Vapour density	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Relative density	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Solubility(ies)	: <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.
	Wash Buffer (5X)	Easily soluble in the following materials: cold water and hot water.
	DNA-Binding Solution	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.

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SECTION 9: Physical and chemical properties

Auto-ignition temperature	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Decomposition temperature	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Viscosity	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Explosive properties	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.
Oxidising properties	: <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.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.

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SECTION 10: Stability and reactivity

10.5 Incompatible materials	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not available.

Acute toxicity estimates

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

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

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Product/ingredient name	Category	Route of exposure	Target organs
Reference Dye 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
DNA-Binding Solution 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
	MycoSensor Primer Mix Amplification Control	Not available.
	M. orale Positive Control	Not available.
	A. laidlawii Positive Control	Not available.
	Reference Dye	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Wash Buffer (5X)	Not available.
	DNA-Binding Solution	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Inhalation	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No known significant effects or critical hazards.
	MycoSensor Primer Mix 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.
	Wash Buffer (5X)	No known significant effects or critical hazards.
	DNA-Binding Solution	Harmful if inhaled.
Ingestion	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No known significant effects or critical hazards.
	MycoSensor Primer Mix 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.
	Wash Buffer (5X)	No known significant effects or critical hazards.
	DNA-Binding Solution	Harmful if swallowed.
Skin contact	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No known significant effects or critical hazards.
	MycoSensor Primer Mix 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.
	Wash Buffer (5X)	No known significant effects or critical hazards.
	DNA-Binding Solution	No known significant effects or critical hazards.

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Eye contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No known significant effects or critical hazards.
	MycoSensor Primer Mix 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.
	Wash Buffer (5X)	No known significant effects or critical hazards.
	DNA-Binding Solution	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No specific data.
	MycoSensor Primer Mix Amplification Control	No specific data.
	M. orale Positive Control	No specific data.
	A. laidlawii Positive Control	No specific data.
	Reference Dye	No specific data.
	Wash Buffer (5X)	No specific data.
	DNA-Binding Solution	No specific data.

Ingestion	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No specific data.
	MycoSensor Primer Mix Amplification Control	No specific data.
	M. orale Positive Control	No specific data.
	A. laidlawii Positive Control	No specific data.
	Reference Dye	No specific data.
	Wash Buffer (5X)	No specific data.
	DNA-Binding Solution	No specific data.

Skin contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No specific data.
	MycoSensor Primer Mix Amplification Control	No specific data.
	M. orale Positive Control	No specific data.
	A. laidlawii Positive Control	No specific data.
	Reference Dye	No specific data.
	Wash Buffer (5X)	No specific data.
	DNA-Binding Solution	No specific data.

Eye contact	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	No specific data.
	MycoSensor Primer Mix Amplification Control	No specific data.
	M. orale Positive Control	No specific data.
	A. laidlawii Positive Control	No specific data.
	Reference Dye	No specific data.
	Wash Buffer (5X)	No specific data.
	DNA-Binding Solution	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

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Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: <input checked="" type="checkbox"/> MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control M. orale Positive Control A. laidlawii Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

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Fertility effects	: <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.
	Wash Buffer (5X)	No known significant effects or critical hazards.
	DNA-Binding Solution	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

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

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

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SECTION 14: Transport information

ADR/RID / IMDG / IATA : Not regulated.

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

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

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

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: <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.
	Wash Buffer (5X)	Not applicable.
DNA-Binding Solution	Not applicable.	

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

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 Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada : Not determined.

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SECTION 15: Regulatory information

China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: Japan inventory (ENCS) : Not determined. Japan inventory (ISHL) : Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

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

SECTION 16: Other information

Indicates information that has changed from previously issued version.

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

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

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

Full text of abbreviated H statements

<input checked="" type="checkbox"/> Reference Dye H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
DNA-Binding Solution H302 H312 H315 H319 H332 H335 H412	Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

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SECTION 16: Other information

Reference Dye

Eye Irrit. 2, H319
Skin Irrit. 2, H315
STOT SE 3, H335

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3

DNA-Binding Solution

Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Aquatic Chronic 3, H412
EUH032
Eye Irrit. 2, H319
Skin Irrit. 2, H315
STOT SE 3, H335

ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Contact with acids liberates very toxic gas.
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3

Date of issue/ Date of revision : 23/05/2018

Date of previous issue : 12/01/2016

Version : 2

Notice to reader

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