

# 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

<b>Product name</b>	: MycoSensor QPCR Assay Kit, Part Number 302107	
<b>Part no. (chemical kit)</b>	: 302107	
<b>Part no.</b>	: 2X MycoSensor QPCR Master Mix	302106-51
	MycoSensor Primer Mix	302107-55
	Amplification Control	302107-54
	A. laidlawii Positive Control	302107-53
	M. orale Positive Control	302107-52
	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

<b>Identified uses</b>	: Analytical reagent.	
	<input checked="" type="checkbox"/> MycoSensor QPCR Master Mix	1.25 ml
	MycoSensor Primer Mix	0.050 ml
	Amplification Control	0.050 ml
	A. laidlawii Positive Control	0.075 ml
	M. orale Positive Control	0.075 ml
	Reference Dye	0.1 ml (100 µl 1 mM)
	Wash Buffer (5X)	10 ml
	DNA-Binding Solution	5 ml
<b>Uses advised against</b>	: None known.	

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH  
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

<b>Product definition</b>	: 2X MycoSensor QPCR Master Mix	Mixture
	MycoSensor Primer Mix	Mixture
	Amplification Control	Mixture
	A. laidlawii Positive Control	Mixture
	M. orale Positive Control	Mixture
	Reference Dye	Mixture
	Wash Buffer (5X)	Mixture
	DNA-Binding Solution	Mixture

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

## SECTION 2: Hazards identification

### DNA-Binding Solution

H302	ACUTE TOXICITY (oral)	Category 4
H314	SKIN CORROSION/IRRITATION	Category 1C
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3
2X MycoSensor QPCR Master Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
MycoSensor Primer Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
Amplification Control	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
A. laidlawii Positive Control	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
M. orale Positive Control	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
Reference Dye	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
Wash Buffer (5X)	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.	
DNA-Binding Solution	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.	

<b>Ingredients of unknown toxicity</b>	: 2X MycoSensor QPCR Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30%
	Reference Dye	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
		Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	DNA-Binding Solution	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%

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



<b>Signal word</b>	: 2X MycoSensor QPCR Master Mix	No signal word.
	MycoSensor Primer Mix	No signal word.
	Amplification Control	No signal word.
	A. laidlawii Positive Control	No signal word.
	M. orale Positive Control	No signal word.
	Reference Dye	No signal word.
	Wash Buffer (5X)	No signal word.
	DNA-Binding Solution	Danger

<b>Hazard statements</b>	: 2X 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.
	A. laidlawii Positive Control	No known significant effects or critical hazards.
	M. orale 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	H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H412 - Harmful to aquatic life with long lasting effects.

### Precautionary statements

**SECTION 2: Hazards identification**

<b>Prevention</b>	:	2X MycoSensor QPCR Master Mix	Not applicable.
		MycoSensor Primer Mix	Not applicable.
		Amplification Control	Not applicable.
		A. laidlawii Positive Control	Not applicable.
		M. orale Positive Control	Not applicable.
		Reference Dye	Not applicable.
		Wash Buffer (5X)	Not applicable.
		DNA-Binding Solution	P280 - Wear protective gloves, protective clothing and eye or face protection.
<b>Response</b>	:	2X MycoSensor QPCR Master Mix	Not applicable.
		MycoSensor Primer Mix	Not applicable.
		Amplification Control	Not applicable.
		A. laidlawii Positive Control	Not applicable.
		M. orale Positive Control	Not applicable.
		Reference Dye	Not applicable.
		Wash Buffer (5X)	Not applicable.
		DNA-Binding Solution	P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor. P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.
<b>Storage</b>	:	2X MycoSensor QPCR Master Mix	Not applicable.
		MycoSensor Primer Mix	Not applicable.
		Amplification Control	Not applicable.
		A. laidlawii Positive Control	Not applicable.
		M. orale Positive Control	Not applicable.
		Reference Dye	Not applicable.
		Wash Buffer (5X)	Not applicable.
		DNA-Binding Solution	Not applicable.
<b>Disposal</b>	:	2X MycoSensor QPCR Master Mix	Not applicable.
		MycoSensor Primer Mix	Not applicable.
		Amplification Control	Not applicable.
		A. laidlawii Positive Control	Not applicable.
		M. orale Positive Control	Not applicable.
		Reference Dye	Not applicable.
		Wash Buffer (5X)	Not applicable.
		DNA-Binding Solution	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Hazardous ingredients</b>	:	<input checked="" type="checkbox"/> DNA-Binding Solution	salts of thiocyanic acid
<b>Supplemental label elements</b>	:	2X MycoSensor QPCR Master Mix	Not applicable.
		MycoSensor Primer Mix	Not applicable.
		Amplification Control	Not applicable.
		A. laidlawii Positive Control	Not applicable.
		M. orale Positive Control	Not applicable.
		Reference Dye	Not applicable.
		Wash Buffer (5X)	Not applicable.
		DNA-Binding Solution	Not applicable.

## SECTION 2: Hazards identification

<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	<b>:</b> 2X MycoSensor QPCR Master Mix	Not applicable.
	MycoSensor Primer Mix	Not applicable.
	Amplification Control	Not applicable.
	A. laidlawii Positive Control	Not applicable.
	M. orale Positive Control	Not applicable.
	Reference Dye	Not applicable.
	Wash Buffer (5X)	Not applicable.
	DNA-Binding Solution	Not applicable.

### Special packaging requirements

<b>Tactile warning of danger</b>	<b>:</b> 2X MycoSensor QPCR Master Mix	Not applicable.
	MycoSensor Primer Mix	Not applicable.
	Amplification Control	Not applicable.
	A. laidlawii Positive Control	Not applicable.
	M. orale Positive Control	Not applicable.
	Reference Dye	Not applicable.
	Wash Buffer (5X)	Not applicable.
	DNA-Binding Solution	Not applicable.

### 2.3 Other hazards

<b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b>	<b>:</b> 2X MycoSensor QPCR Master Mix	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	MycoSensor Primer Mix	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	Amplification Control	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	A. laidlawii Positive Control	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	M. orale Positive Control	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	Reference Dye	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	Wash Buffer (5X)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	DNA-Binding Solution	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

<b>Other hazards which do not result in classification</b>	<b>:</b> 2X MycoSensor QPCR Master Mix	None known.
	MycoSensor Primer Mix	None known.
	Amplification Control	None known.
	A. laidlawii Positive Control	None known.
	M. orale Positive Control	None known.
	Reference Dye	None known.
	Wash Buffer (5X)	None known.
	DNA-Binding Solution	Causes digestive tract burns.

## SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	<b>:</b> 2X MycoSensor QPCR Master Mix	Mixture
	MycoSensor Primer Mix	Mixture
	Amplification Control	Mixture
	A. laidlawii Positive Control	Mixture
	M. orale Positive Control	Mixture
	Reference Dye	Mixture
	Wash Buffer (5X)	Mixture
	DNA-Binding Solution	Mixture

### SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
<b>2X MycoSensor QPCR Master Mix</b>  glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	-	[1]
<b>DNA-Binding Solution</b>  salts of thiocyanic acid	EC: 209-812-1 CAS: 593-84-0 Index: 615-004-00-3	≥25 - ≤50	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412 EUH032 EUH071 <b>See Section 16 for the full text of the H statements declared above.</b>	ATE [Oral] = 593 mg/kg ATE [Dermal] = 1100 mg/kg ATE [Inhalation (dusts and mists)] = 3.181 mg/l	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type  
 2X MycoSensor QPCR Master Mix [1] Substance with a workplace exposure limit  
 DNA-Binding Solution [1] Substance classified with a health or environmental hazard

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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Eye contact</b>	: 2X 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.
	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.
	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.
	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	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly

**SECTION 4: First aid measures**

<b>Inhalation</b>	: 2X MycoSensor QPCR Master Mix	by a physician. 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.
	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.
	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.
	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	Get medical attention immediately. Call a poison center or physician. 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. 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.
<b>Skin contact</b>	: 2X 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.
	A. laidlawii Positive 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.
	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	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water.



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		Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	: 2X MycoSensor QPCR Master Mix	Wash out mouth with water. 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. 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.
	Amplification Control	Wash out mouth with water. 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. 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. 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. 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. 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	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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. Chemical burns must be treated promptly by a 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.
<b>Protection of first-aiders</b>	: 2X 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.
	A. laidlawii Positive 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

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Reference Dye	without suitable training. 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 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**4.2 Most important symptoms and effects, both acute and delayed**

Potential acute health effects

<b>Eye contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Causes serious eye damage.
<b>Inhalation</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.
<b>Skin contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Causes severe burns.
<b>Ingestion</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Corrosive to the digestive tract. Causes burns.

Over-exposure signs/symptoms



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<b>Eye contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Adverse symptoms may include the following: pain watering redness
<b>Inhalation</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.
<b>Skin contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Ingestion</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Adverse symptoms may include the following: stomach pains

**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to physician</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix  Amplification Control  A. laidlawii Positive Control M. orale Positive Control  Reference Dye	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.
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	Wash Buffer (5X)	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.
<b>Specific treatments</b>	: 2X MycoSensor QPCR Master Mix	No specific treatment.
	MycoSensor Primer Mix	No specific treatment.
	Amplification Control	No specific treatment.
	A. laidlawii Positive Control	No specific treatment.
	M. orale Positive Control	No specific treatment.
	Reference Dye	No specific treatment.
	Wash Buffer (5X)	No specific treatment.
	DNA-Binding Solution	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: 2X 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.
	A. laidlawii Positive Control	Use an extinguishing agent suitable for the surrounding fire.
	M. orale Positive Control	Use an extinguishing agent suitable for the surrounding fire.
	Reference Dye	Use an extinguishing agent suitable for the surrounding fire.
	Wash Buffer (5X)	Use an extinguishing agent suitable for the surrounding fire.
	DNA-Binding Solution	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: 2X MycoSensor QPCR Master Mix	None known.
	MycoSensor Primer Mix	None known.
	Amplification Control	None known.
	A. laidlawii Positive Control	None known.
	M. orale Positive Control	None known.
	Reference Dye	None known.
	Wash Buffer (5X)	None known.
	DNA-Binding Solution	None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Hazards from the substance or mixture</b>	: 2X 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.
	A. laidlawii Positive 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.
	Reference Dye	In a fire or if heated, a pressure increase will occur and the container may burst.
	Wash Buffer (5X)	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.

**SECTION 5: Firefighting measures**

<b>Hazardous combustion products</b>	: 2X MycoSensor QPCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
	MycoSensor Primer Mix	No specific data.
	Amplification Control	No specific data.
	A. laidlawii Positive Control	No specific data.
	M. orale Positive Control	No specific data.
	Reference Dye	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
	Wash Buffer (5X)	No specific data.
	DNA-Binding Solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds

**5.3 Advice for firefighters**

<b>Special precautions for fire-fighters</b>	: 2X 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.
	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.
	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.
	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.
<b>Special protective equipment for fire-fighters</b>	: 2X 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

**SECTION 5: Firefighting measures**

	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.
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.
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**

<b>For non-emergency personnel</b>	: 2X 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.
	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.
	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.
	Reference Dye	No action shall be taken involving any personal risk or

**SECTION 6: Accidental release measures**

**For emergency responders**

		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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	: 2X 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".
	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".
	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".
	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**

	: 2X 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).
	A. laidlawii Positive Control	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant



**SECTION 6: Accidental release measures**

	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).
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 authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
DNA-Binding Solution	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

**6.3 Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	: 2X 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.
	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.
	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.
	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.
	Wash Buffer (5X)	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.



## SECTION 6: Accidental release measures

**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

<b>Protective measures</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix  Amplification Control  A. laidlawii Positive Control M. orale Positive Control  Reference Dye  Wash Buffer (5X)  DNA-Binding Solution	Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.
<b>Advice on general occupational hygiene</b>	: 2X MycoSensor QPCR Master Mix  MycoSensor Primer Mix  Amplification Control  A. laidlawii Positive Control  M. orale Positive Control  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. 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. 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. 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. 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.

**SECTION 7: Handling and storage**

Wash Buffer (5X)	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.
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.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage**

: 2X 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.
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 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

**SECTION 7: Handling and storage**

	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.
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. 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. Store locked up. 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**

: 2X MycoSensor QPCR Master Mix	Industrial applications, Professional applications.
MycoSensor Primer Mix	Industrial applications, Professional applications.
Amplification Control	Industrial applications, Professional applications.
A. laidlawii Positive Control	Industrial applications, Professional applications.
M. orale 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**

: 2X MycoSensor QPCR Master Mix	Not available.
MycoSensor Primer Mix	Not available.
Amplification Control	Not available.
A. laidlawii Positive Control	Not available.
M. orale Positive Control	Not available.
Reference Dye	Not available.
Wash Buffer (5X)	Not available.
DNA-Binding Solution	Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>2X MycoSensor QPCR Master Mix</b> Glycerol	<b>NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs)</b> OELV: 10 mg/m <sup>3</sup> 8 hours. Form: mist

#### Biological exposure indices

No exposure indices known.

#### Recommended monitoring procedures

: 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

Product/ingredient name	Type	Exposure	Value	Population	Effects
<b>DNA-Binding Solution</b> salts of thiocyanic acid	DNEL	Long term Oral	0.155 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.155 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.27 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.31 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.092 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	3.28 mg/m <sup>3</sup>	Workers	Systemic

#### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### 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: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Skin protection

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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: 2X MycoSensor QPCR Master Mix	Liquid.	
	MycoSensor Primer Mix	Liquid.	
	Amplification Control	Liquid.	
	A. laidlawii Positive Control	Liquid.	
	M. orale Positive Control	Liquid.	
	Reference Dye	Liquid.	
	Wash Buffer (5X)	Liquid.	
	DNA-Binding Solution	Liquid.	
	<b>Colour</b>	: 2X MycoSensor QPCR Master Mix	Not available.
		MycoSensor Primer Mix	Not available.
Amplification Control		Not available.	
A. laidlawii Positive Control		Not available.	
M. orale Positive Control		Not available.	
Reference Dye		Not available.	
Wash Buffer (5X)		Not available.	
DNA-Binding Solution		Not available.	
<b>Odour</b>		: 2X MycoSensor QPCR Master Mix	Not available.
		MycoSensor Primer Mix	Not available.
	Amplification Control	Not available.	
	A. laidlawii Positive Control	Not available.	
	M. orale Positive Control	Not available.	
	Reference Dye	Not available.	
	Wash Buffer (5X)	Not available.	
	DNA-Binding Solution	Not available.	

**SECTION 9: Physical and chemical properties**

**Odour threshold** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix Not available.  
 Amplification Control Not available.  
 A. laidlawii Positive Control Not available.  
 M. orale Positive Control Not available.  
 Reference Dye Not available.  
 Wash Buffer (5X) Not available.  
 DNA-Binding Solution Not available.

**Melting point/freezing point** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix 0°C  
 Amplification Control 0°C  
 A. laidlawii Positive Control 0°C  
 Control  
 M. orale Positive Control 0°C  
 Reference Dye Not available.  
 Wash Buffer (5X) 0°C  
 DNA-Binding Solution Not available.

**Initial boiling point and boiling range** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix 100°C  
 Amplification Control 100°C  
 A. laidlawii Positive Control 100°C  
 Control  
 M. orale Positive Control 100°C  
 Reference Dye Not available.  
 Wash Buffer (5X) 100°C  
 DNA-Binding Solution Not available.

**Flammability** : 2X MycoSensor QPCR Master Mix Not applicable.  
 MycoSensor Primer Mix Not applicable.  
 Amplification Control Not applicable.  
 A. laidlawii Positive Control Not applicable.  
 Control  
 M. orale Positive Control Not applicable.  
 Reference Dye Not applicable.  
 Wash Buffer (5X) Not applicable.  
 DNA-Binding Solution Not applicable.

**Upper/lower flammability or explosive limits** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix Not available.  
 Amplification Control Not available.  
 A. laidlawii Positive Control Not available.  
 Control  
 M. orale Positive Control Not available.  
 Reference Dye Not available.  
 Wash Buffer (5X) Not available.  
 DNA-Binding Solution Not available.

**Flash point** :

Ingredient name	Closed cup		Open cup	
	°C	Method	°C	Method
2X MycoSensor QPCR Master Mix				
glycerol	-	-	177	-

**Auto-ignition temperature** :

Ingredient name	°C	Method
2X MycoSensor QPCR Master Mix		
glycerol	370	-



**SECTION 9: Physical and chemical properties**

**Decomposition temperature** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix Not available.  
 Amplification Control Not available.  
 A. laidlawii Positive Control Not available.  
 M. orale Positive Control Not available.  
 Reference Dye Not available.  
 Wash Buffer (5X) Not available.  
 DNA-Binding Solution Not available.

**pH** : 2X MycoSensor QPCR Master Mix 8  
 MycoSensor Primer Mix 7.5  
 Amplification Control 7.5  
 A. laidlawii Positive Control 8  
 M. orale Positive Control 8  
 Reference Dye 8  
 Wash Buffer (5X) 6.4  
 DNA-Binding Solution 6.4

**Viscosity** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix Not available.  
 Amplification Control Not available.  
 A. laidlawii Positive Control Not available.  
 M. orale Positive Control Not available.  
 Reference Dye Not available.  
 Wash Buffer (5X) Not available.  
 DNA-Binding Solution Not available.

<b>Solubility(ies)</b>	<b>Media</b>	<b>Result</b>
	<b>2X MycoSensor QPCR Master Mix</b> water	Soluble
	<b>MycoSensor Primer Mix</b> water	Soluble
	<b>Amplification Control</b> water	Soluble
	<b>A. laidlawii Positive Control</b> water	Soluble
	<b>M. orale Positive Control</b> water	Soluble
	<b>Reference Dye</b> water	Soluble
	<b>Wash Buffer (5X)</b> water	Soluble
	<b>DNA-Binding Solution</b> water	Soluble

**Partition coefficient: n-octanol/water** : 2X MycoSensor QPCR Master Mix Not applicable.  
 MycoSensor Primer Mix Not applicable.  
 Amplification Control Not applicable.  
 A. laidlawii Positive Control Not applicable.  
 M. orale Positive Control Not applicable.  
 Reference Dye Not applicable.  
 Wash Buffer (5X) Not applicable.  
 DNA-Binding Solution Not applicable.

**Vapour pressure** :

**SECTION 9: Physical and chemical properties**

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>2X MycoSensor QPCR Master Mix</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>MycoSensor Primer Mix</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>Amplification Control</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>A. laidlawii Positive Control</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>M. orale Positive Control</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>Reference Dye</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>Wash Buffer (5X)</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>DNA-Binding Solution</b>						
water	17.5	2.3	-	92.258	12.3	-

**Evaporation rate** : 2X MycoSensor QPCR Master Mix Not available.  
 MycoSensor Primer Mix Not available.  
 Amplification Control Not available.  
 A. laidlawii Positive Control Not available.  
 M. orale Positive Control Not available.  
 Reference Dye Not available.  
 Wash Buffer (5X) Not available.  
 DNA-Binding Solution Not available.

**SECTION 9: Physical and chemical properties**

<b>Relative density</b>	:	2X MycoSensor QPCR Master Mix	Not available.
		MycoSensor Primer Mix	Not available.
		Amplification Control	Not available.
		A. laidlawii Positive Control	Not available.
		M. orale Positive Control	Not available.
		Reference Dye	Not available.
		Wash Buffer (5X)	Not available.
		DNA-Binding Solution	Not available.
<b>Vapour density</b>	:	2X MycoSensor QPCR Master Mix	Not available.
		MycoSensor Primer Mix	Not available.
		Amplification Control	Not available.
		A. laidlawii Positive Control	Not available.
		M. orale Positive Control	Not available.
		Reference Dye	Not available.
		Wash Buffer (5X)	Not available.
		DNA-Binding Solution	Not available.
<b>Explosive properties</b>	:	2X MycoSensor QPCR Master Mix	Not available.
		MycoSensor Primer Mix	Not available.
		Amplification Control	Not available.
		A. laidlawii Positive Control	Not available.
		M. orale Positive Control	Not available.
		Reference Dye	Not available.
		Wash Buffer (5X)	Not available.
		DNA-Binding Solution	Not available.
<b>Oxidising properties</b>	:	2X MycoSensor QPCR Master Mix	Not available.
		MycoSensor Primer Mix	Not available.
		Amplification Control	Not available.
		A. laidlawii Positive Control	Not available.
		M. orale Positive Control	Not available.
		Reference Dye	Not available.
		Wash Buffer (5X)	Not available.
		DNA-Binding Solution	Not available.
<b>Particle characteristics</b>			
<b>Median particle size</b>	:	2X MycoSensor QPCR Master Mix	Not applicable.
		MycoSensor Primer Mix	Not applicable.
		Amplification Control	Not applicable.
		A. laidlawii Positive Control	Not applicable.
		M. orale Positive Control	Not applicable.
		Reference Dye	Not applicable.
		Wash Buffer (5X)	Not applicable.
		DNA-Binding Solution	Not applicable.

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix  Amplification Control  A. laidlawii Positive Control M. orale 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.
<b>10.2 Chemical stability</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.
<b>10.3 Possibility of hazardous reactions</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix  Amplification Control  A. laidlawii Positive Control M. orale 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.
<b>10.4 Conditions to avoid</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.

**SECTION 10: Stability and reactivity**

<b>10.5 Incompatible materials</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.
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<b>10.6 Hazardous decomposition products</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix  Amplification Control  A. laidlawii Positive Control M. orale 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.
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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
DNA-Binding Solution salts of thiocyanic acid	LC50 Inhalation Dusts and mists LD50 Oral	Rat - Female Rat - Male, Female	3.181 mg/l 593 mg/kg	4 hours -

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
DNA-Binding Solution DNA-Binding Solution salts of thiocyanic acid	1253.7 593	2325.6 1100	N/A N/A	N/A N/A	6.7 3.181

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

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale Positive Control Reference Dye Wash Buffer (5X) DNA-Binding Solution	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.  Not available. Not available. Not available.  Not available. Not available. Not available. Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
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### Potential acute health effects

<b>Inhalation</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.
<b>Ingestion</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Harmful if swallowed. Corrosive to the digestive tract. Causes burns.
<b>Skin contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Causes severe burns.
<b>Eye contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Causes serious eye damage.



**SECTION 11: Toxicological information**

Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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.
<b>Ingestion</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Adverse symptoms may include the following: stomach pains
<b>Skin contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Eye contact</b>	: 2X MycoSensor QPCR Master Mix MycoSensor Primer Mix Amplification Control A. laidlawii Positive Control M. orale 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. Adverse symptoms may include the following: pain watering redness

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

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

Potential chronic health effects

## SECTION 11: Toxicological information

<b>Conclusion/Summary</b>	: Not available.	
<b>General</b>	: 2X 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.
	A. laidlawii Positive Control	No known significant effects or critical hazards.
	M. orale 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.
<b>Carcinogenicity</b>	: 2X 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.
	A. laidlawii Positive Control	No known significant effects or critical hazards.
	M. orale 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.
<b>Mutagenicity</b>	: 2X 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.
	A. laidlawii Positive Control	No known significant effects or critical hazards.
	M. orale 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.
<b>Reproductive toxicity</b>	: 2X 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.
	A. laidlawii Positive Control	No known significant effects or critical hazards.
	M. orale 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.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

## SECTION 12: Ecological information

Product/ingredient name	Test	Result	Dose	Inoculum
<b>DNA-Binding Solution</b> salts of thiocyanic acid	OECD 302B Inherent Biodegradability: Zahn-Wellens/ EMPA Test	46 % - Inherent - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>DNA-Binding Solution</b> salts of thiocyanic acid	-	-	Inherent

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>DNA-Binding Solution</b> salts of thiocyanic acid	<-1.7	-	Low

### 12.4 Mobility in soil

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

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 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** : The classification of the product may meet the criteria for a hazardous waste.

#### 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. 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**

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN3316	UN3316	UN3316
14.2 UN proper shipping name	CHEMICAL KIT	CHEMICAL KIT	Chemical kit
14.3 Transport hazard class(es)	9 	9 	9 
14.4 Packing group	III	III	III
14.5 Environmental hazards	No.	No.	No.

Additional information

Remarks: Excepted Quantity

**ADR/RID** : **Hazard identification number** 90  
**Limited quantity** See SP 251  
**Special provisions** 251, 340, 671  
**Tunnel code** (E)

**IMDG** : **Emergency schedules** F-A, \_S-P\_  
**Special provisions** 251, 340

**IATA** : **Quantity limitation** Passenger and Cargo Aircraft: 10 kg. Packaging instructions: 960. Cargo Aircraft Only: 10 kg. Packaging instructions: 960. Limited Quantities - Passenger Aircraft: 1 kg. Packaging instructions: Y960.  
**Special provisions** A44, A163

**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 IMO instruments** : 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

Product / Ingredient name	Identifiers	Designation [Usage]
 DNA-Binding Solution DNA-Binding Solution		3

## SECTION 15: Regulatory information

<b>Label</b>	: 2X MycoSensor QPCR Master Mix	Not applicable.
	MycoSensor Primer Mix	Not applicable.
	Amplification Control	Not applicable.
	A. laidlawii Positive Control	Not applicable.
	M. orale 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.

#### Persistent Organic Pollutants

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

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

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Eurasian Economic Union</b>	: <b>Russian Federation inventory:</b> Not determined.
<b>Japan</b>	: <b>Japan inventory (CSCL):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: 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]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
<b>DNA-Binding Solution</b> Acute Tox. 4, H302 Skin Corr. 1C, H314 Aquatic Chronic 3, H412	Calculation method Calculation method Calculation method

**Full text of abbreviated H statements**

<b>DNA-Binding Solution</b> H302 H312 H314 H318 H332 H412 EUH032 EUH071	Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. Harmful to aquatic life with long lasting effects. Contact with acids liberates very toxic gas. Corrosive to the respiratory tract.
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**Full text of classifications [CLP/GHS]**

<b>DNA-Binding Solution</b> Acute Tox. 4 Aquatic Chronic 3 Eye Dam. 1 Skin Corr. 1C	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1C
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**Version** : 2

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