

## Kit SDS Cover Sheet

### MycoAlert™ Mycoplasma Detection Kit

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

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#### Product Information

Product name : MycoAlert™ Mycoplasma Detection Kit

Material number : LT07-118

#### Components

MYCOALERT™ REAGENT

SDS attached

MycoAlert™ ASSAY BUFFER

SDS attached

MYCOALERT™ SUBSTRATE

SDS attached

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MYCOALERT™ REAGENT

##### Manufacturer or supplier's details

Company : Capsugel Australia Pty Ltd.  
Suite 610, 12 Century Circuit,  
Norwest NSW 2153, Australia

Lonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : sds@lonza.com

Emergency telephone number : +41 61 313 94 94 (24h)

##### Recommended use of the chemical and restrictions on use

Recommended use : For research use only.

Restrictions on use : NOT FOR USE IN GMP MANUFACTURING, NOR HUMAN OR ANIMAL IN VIVO OR DIAGNOSTIC USE.

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS label elements

Not a hazardous substance or mixture.

##### Other hazards which do not result in classification

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

##### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Ethylenediaminetetraacetic acid disodium salt dihydrate	6381-92-6	>= 1 - < 3

#### SECTION 4. FIRST AID MEASURES

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

---

If inhaled	:	Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Wash with water and soap as a precaution. If on clothes, remove clothes. In the case of skin irritation or allergic reactions see a physician.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	Treat symptomatically.

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#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray
Specific hazards during firefighting	:	Heating or fire can release toxic gas.
Hazardous combustion products	:	Magnesium oxides Carbon oxides (COx) Nitrogen oxides (NOx) Sulphur oxides (SOx) Sodium oxides Phosphorus oxides (POx)
Specific extinguishing methods	:	Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Try to prevent the material from entering drains or water

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

courses.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Shovel into suitable container for disposal.

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : No special precautions required. For personal protection see section 8.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage : Keep container tightly closed. Keep in a well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

Further information on storage conditions : Avoid moisture.

Materials to avoid : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Use only in area provided with appropriate exhaust ventilation.

##### Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Filter type : Particulate type (P1/N95)

Hand protection

Remarks : Wear protective gloves. Break through time : > 480 min

Eye protection : Safety glasses

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

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Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Lightweight protective clothing
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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	(lyophilised)
Colour	:	light yellow
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	No data available
Water solubility	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, dynamic	:	No data available

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

Viscosity, kinematic : Not applicable  
Particle size : No data available

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.  
Chemical stability : Stable under recommended storage conditions.  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
No hazards to be specially mentioned.  
Conditions to avoid : Heat  
Incompatible materials : Oxidizing agents  
Strong acids and strong bases  
Hazardous decomposition products : No decomposition if used as directed.  
No hazardous decomposition products are known.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

Acute oral toxicity : Remarks: No data available  
Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method  
Acute dermal toxicity : Remarks: No data available

##### Skin corrosion/irritation

Remarks : No data available

##### Serious eye damage/eye irritation

Remarks : No data available

##### Respiratory or skin sensitisation

Remarks : No data available

##### Germ cell mutagenicity

Genotoxicity in vitro : Remarks: No data available

##### Carcinogenicity

Remarks : No data available

## SAFETY DATA SHEET

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### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

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#### Reproductive toxicity

Effects on fertility : Remarks: No data available

#### STOT - single exposure

Remarks : No data available

#### STOT - repeated exposure

Remarks : No data available

#### Aspiration toxicity

No aspiration toxicity classification

#### Further information

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxicity to fish : Remarks: Not applicable

#### Persistence and degradability

Biodegradability : Remarks: Not applicable

#### Bioaccumulative potential

Bioaccumulation : Remarks: Not applicable

#### Mobility in soil

Distribution among environmental compartments : Remarks: Not applicable

#### Other adverse effects

Additional ecological information : No data available

#### Persistence and degradability

Biodegradability : Remarks: Not applicable

#### Bioaccumulative potential

Bioaccumulation : Remarks: Not applicable

#### Mobility in soil

Distribution among environmental compartments : Remarks: Not applicable

#### Other adverse effects

## SAFETY DATA SHEET

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### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

Additional ecological information : No data available

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#### SECTION 13. DISPOSAL CONSIDERATIONS

##### Disposal methods

Waste from residues : Dispose of contents/container in accordance with local regulation.  
Contact waste disposal services.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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#### SECTION 14. TRANSPORT INFORMATION

IATA Not dangerous goods

UN number : Not applicable  
Proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable

IMDG Not dangerous goods

UN number : Not applicable  
Proper shipping name : Not applicable  
Transport hazard class(es) : Not applicable  
Packing group : Not applicable  
Environmental hazards : Marine pollutant: no

ADR : Not dangerous goods

UN number : Not applicable  
Proper shipping name : Not applicable  
Transport hazard class : Not applicable  
Packing group : Not applicable  
Environmental hazards : no



## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

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<b>RID</b>	:	Not dangerous goods
<b>UN number</b>	:	Not applicable
<b>Proper shipping name</b>	:	Not applicable
<b>Transport hazard class</b>	:	Not applicable
<b>Packing group</b>	:	Not applicable
<b>Environmental hazards</b>	:	no
<b>Special precautions for user</b>	:	none
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	:	Not applicable

#### SECTION 15. REGULATORY INFORMATION

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

#### SECTION 16. OTHER INFORMATION

Revision Date : 16.08.2024

Date format : dd.mm.yyyy

##### Full text of other abbreviations

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ REAGENT

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MycoAlert™ ASSAY BUFFER

##### Manufacturer or supplier's details

Company : Capsugel Australia Pty Ltd.  
Suite 610, 12 Century Circuit,  
Norwest NSW 2153, Australia

Lonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : sds@lonza.com

Emergency telephone number : +41 61 313 94 94 (24h)

##### Recommended use of the chemical and restrictions on use

Recommended use : For research use only.

Restrictions on use : NOT FOR USE IN GMP MANUFACTURING, NOR HUMAN OR ANIMAL IN VIVO OR DIAGNOSTIC USE.

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS label elements

Not a hazardous substance or mixture.

##### Other hazards which do not result in classification

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

##### Hazardous components

No hazardous ingredients

#### SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

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		If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Wash with water and soap as a precaution. If on clothes, remove clothes. In the case of skin irritation or allergic reactions see a physician.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	Treat symptomatically.

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#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Heating or fire can release toxic gas.
Hazardous combustion products	:	Nitrogen oxides (NOx) Carbon oxides (COx) Sulphur oxides (SOx)
Specific extinguishing methods	:	Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Try to prevent the material from entering drains or water courses.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

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Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : No special precautions required.  
For personal protection see section 8.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage : Keep container tightly closed.  
Keep in a well-ventilated place.  
To maintain product quality, do not store in heat or direct sunlight.

Materials to avoid : No special restrictions on storage with other products.

Recommended storage temperature : 2 - 8 °C

Further information on storage stability : No decomposition if stored and applied as directed.

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#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Use only in area provided with appropriate exhaust ventilation.

##### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks : Wear protective gloves. Break through time : > 480 min

Eye protection : Safety glasses

Skin and body protection : Choose body protection according to the amount and

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

concentration of the dangerous substance at the work place.  
Lightweight protective clothing

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aqueous solution
Colour	: colourless
Odour	: No information available.
Odour Threshold	: No data available
pH	: 7,5
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: does not flash
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: No data available
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

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#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	Extremes of temperature and direct sunlight.  Heat
Incompatible materials	:	Oxidizing agents Strong acids and strong bases
Hazardous decomposition products	:	No decomposition if used as directed.  No hazardous decomposition products are known.

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

Acute oral toxicity	:	Remarks: No data available
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

##### Skin corrosion/irritation

Remarks	:	No data available
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##### Serious eye damage/eye irritation

Remarks	:	No data available
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##### Respiratory or skin sensitisation

Remarks	:	No data available
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##### Germ cell mutagenicity

Genotoxicity in vitro	:	Remarks: No data available
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##### Carcinogenicity

Remarks	:	No data available
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##### Reproductive toxicity

Effects on fertility	:	Remarks: No data available
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## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

#### STOT - single exposure

Remarks : No data available

#### STOT - repeated exposure

Remarks : No data available

#### Aspiration toxicity

No aspiration toxicity classification

#### Further information

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Toxicity to fish : Remarks: No data available

#### Persistence and degradability

Biodegradability : Remarks: No data available

#### Bioaccumulative potential

Bioaccumulation : Remarks: No data available

#### Mobility in soil

Distribution among environmental compartments : Remarks: No data available

#### Other adverse effects

Endocrine disrupting potential : May cause endocrine disruption.

Additional ecological information : No data available

#### Persistence and degradability

Biodegradability : Remarks: No data available

#### Bioaccumulative potential

Bioaccumulation : Remarks: No data available

#### Mobility in soil

Distribution among environmental compartments : Remarks: No data available

#### Other adverse effects

Endocrine disrupting potential : May cause endocrine disruption.

Additional ecological information : No data available



## SAFETY DATA SHEET

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### MycoAlert™ ASSAY BUFFER

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

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#### SECTION 13. DISPOSAL CONSIDERATIONS

##### Disposal methods

Waste from residues : Dispose of contents/container in accordance with local regulation.  
Contact waste disposal services.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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#### SECTION 14. TRANSPORT INFORMATION

**IATA** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable

**IMDG** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class(es)** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : Marine pollutant: no

**ADR** : Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

## SAFETY DATA SHEET

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Version 3.1

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<b>UN number</b>	:	Not applicable
<b>Proper shipping name</b>	:	Not applicable
<b>Transport hazard class</b>	:	Not applicable
<b>Packing group</b>	:	Not applicable
<b>Environmental hazards</b>	:	no
<b>Special precautions for user</b>	:	none
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	:	Not applicable

## SECTION 15. REGULATORY INFORMATION

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

## SECTION 16. OTHER INFORMATION

Revision Date : 16.08.2024

Date format : dd.mm.yyyy

### Full text of other abbreviations

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic

**SAFETY DATA SHEET**

according to Work Health and Safety Regulations 2011

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substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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### MYCOALERT™ SUBSTRATE

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#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MYCOALERT™ SUBSTRATE

##### Manufacturer or supplier's details

Company : Capsugel Australia Pty Ltd.  
Suite 610, 12 Century Circuit,  
Norwest NSW 2153, Australia

Lonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : sds@lonza.com

Emergency telephone number : +41 61 313 94 94 (24h)

##### Recommended use of the chemical and restrictions on use

Recommended use : For research use only.

Restrictions on use : NOT FOR USE IN GMP MANUFACTURING, NOR HUMAN OR ANIMAL IN VIVO OR DIAGNOSTIC USE.

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Skin corrosion/irritation : Sub-category 1B

Serious eye damage/eye irritation : Category 1

Reproductive toxicity : Category 2

##### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.

## SAFETY DATA SHEET

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### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

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P260 Do not breathe dust.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

#### Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

#### Other hazards which do not result in classification

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Acetyl dihydrogen phosphate, lithium potassium salt	94249-01-1	>= 5 - < 10
Dilithium carbamoyl phosphate hydrate	1866-68-8	>= 5 - < 10
Ethylenediaminetetraacetic acid disodium salt dihydrate	6381-92-6	>= 1 - < 3

### SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.  
 Call a physician or poison control centre immediately.  
 If unconscious, place in recovery position and seek medical advice.  
 Keep respiratory tract clear.  
 If breathing is irregular or stopped, administer artificial

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

---

	respiration.
In case of skin contact	: After contact with skin, wash immediately with plenty of soap and water. Take off contaminated clothing and shoes immediately. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Take victim immediately to hospital.
In case of eye contact	: Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. Continue rinsing eyes during transport to hospital. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

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## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray
Specific hazards during firefighting	: Heating or fire can release toxic gas. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Nitrogen oxides (NOx) Carbon oxides (COx) Sulphur oxides (SOx) Lithium Oxides Potassium oxides Phosphorus oxides (POx) Sodium oxides
Specific extinguishing methods	: Use a water spray to cool fully closed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

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Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment. Avoid dust formation.

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Shovel into suitable container for disposal.

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#### SECTION 7. HANDLING AND STORAGE

Technical measures : Ensure that eyewash stations and safety showers are close to the workstation location.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid formation of respirable particles. Avoid exposure - obtain special instructions before use. Do not breathe vapours/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Avoid contact with skin, eyes and clothing.

Conditions for safe storage : Storage temperature: < 5°C. Observe label precautions. Keep container tightly closed. Keep in a well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

Further information on storage conditions : Avoid moisture.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

Further information on storage stability : No decomposition if stored and applied as directed.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Use only in area provided with appropriate exhaust ventilation.

### Personal protective equipment

Respiratory protection : Half mask with a particle filter P2 (EN 143)

Hand protection

Material : Nitrile rubber

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).  
Impervious gloves Break through time : > 480 min

Eye protection : Safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Dust impervious protective suit

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets  
powder

Colour : white

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available



## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

---

Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	No data available
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Particle size	:	No data available

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#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Heat
Incompatible materials	:	Oxidizing agents Strong acids and strong bases

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

Hazardous decomposition products : No decomposition if used as directed.  
No hazardous decomposition products are known.

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

Acute oral toxicity : Acute toxicity estimate: > 2 000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Remarks: No data available

##### Skin corrosion/irritation

Remarks : No data available

##### Serious eye damage/eye irritation

Remarks : No data available

##### Respiratory or skin sensitisation

Remarks : No data available

##### Germ cell mutagenicity

Genotoxicity in vitro : Remarks: No data available

##### Carcinogenicity

Remarks : No data available

##### Reproductive toxicity

Effects on fertility : Remarks: No data available

##### STOT - single exposure

Remarks : No data available

##### STOT - repeated exposure

Remarks : No data available

##### Aspiration toxicity

No aspiration toxicity classification

##### Further information

Remarks : Ingestion may cause nausea, vomiting, sore throat,  
stomach-ache and eventually lead to a perforation of the

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

intestine.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxicity to fish : Remarks: No data available

### Persistence and degradability

Biodegradability : Remarks: No data available

### Bioaccumulative potential

Bioaccumulation : Remarks: No data available

### Mobility in soil

Distribution among environmental compartments : Remarks: No data available

### Other adverse effects

Additional ecological information : No data available

### Persistence and degradability

Biodegradability : Remarks: No data available

### Bioaccumulative potential

Bioaccumulation : Remarks: No data available

### Mobility in soil

Distribution among environmental compartments : Remarks: No data available

### Other adverse effects

Additional ecological information : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of contents/container in accordance with local regulation.  
Contact waste disposal services.  
Do not dispose of waste into sewer.

Contaminated packaging : Dispose of as unused product.  
Do not re-use empty containers.

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

---

#### SECTION 14. TRANSPORT INFORMATION

**IATA** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable

**IMDG** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class(es)** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : Marine pollutant: no

**ADR** :  
Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

**RID** :  
Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

**Special precautions for user** : none

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

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#### SECTION 15. REGULATORY INFORMATION

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

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#### SECTION 16. OTHER INFORMATION

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### MYCOALERT™ SUBSTRATE

Version 3.1

Revision Date 16.08.2024

Print Date 18.05.2025

Revision Date : 16.08.2024

Date format : dd.mm.yyyy

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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