

Material Safety Data Sheet (MSDS)

Material Safety Data Sheet

(Prepared according to 1907/2006/EC, Article 31)
Revision Date: 22-Nov-2018



1. IDENTIFICATION OF THE SUBSTANCE /COMPANY DETAILS

Trade name: **PRImeDETECT™ Campylobacter Detection Kit**
Cat Nº: FP0040; FP0041

Kit components:

- ✓ PCR Master Mix (1 vial)
- ✓ PCR Positive Control (1 vial)
- ✓ PCR Negative Control (1 vial-M.B grade H₂O)

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Toxicological Information Service:

European emergency number: 112

Spain:

CHEMTREC 900-868538

CHEMTREC (Barcelona) +(34)-931768545

Country specific Emergency Number (if available):

CHEMTREC Ireland (Dublin)→ +(353)-19014670 (Greeting Language: English and Irish)

CHEMTREC UK (London)→+(44)-870-8200418 (Greeting Language: English)

For Research use only

2. COMPOSITION / INFORMATION ON INGREDIENTS

Description:

PCR kit for the detection of specific organisms.

Target organisms as specified on separate enclosure.

PCR detection kit of isolated DNA.

Chemical characterization: Mixtures

Components:

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Dangerous components:

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CAS: 57-50-1 EINECS: 200-334-9	Sucrose, pure Substance to which a Community workplace exposure limit applies	15-20 %
CAS: 67-68-5 EINECS: 200-289-5	Glycerol	<2.00 %

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical hazards

Not Hazardous

Health hazards

Not Hazardous

Environmental Hazards

Not Hazardous

Additional information

Not Applicable

Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

No Pictogram

Signal word

None

Hazard Statements

Not Applicable

EU Specific Hazard Statements

Not Applicable

Precautionary Statements

Prevention

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Disposal

Not Applicable

Other hazards

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

4. FIRST – AID MEASURES

Description of first aid measures

General information Get medical advice/attention if you feel unwell.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist

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affected person by administering oxygen. Get medical attention if symptoms are severe or persist.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Skin contact: Remove contaminated clothing. Rinse with water. Continue to rinse for at least 15 minutes. Wash contaminated clothing before reuse. Get medical attention if symptoms are severe or persist.

Eye contact: Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.

Most important symptoms and effects, both acute and delayed Not Applicable

Indication of any immediate medical attention and special needed None.

Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Advice for firefighters

Standard procedure for chemical fires.

Special hazards arising from the substance or mixture: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment.

Environmental precautions: This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

Method for cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling: Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Specific end use(s): For research use only.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters.

Components with limit values that require monitoring at the workplace:

57-50-1 Sucrose, pure.

PEL Long-term value: 15* 5** mg/m³

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*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV Long-term value: 10 mg/m³

56-81-5 glycerol

PEL Long-term value: 15* 5** mg/m³

*total dust **respirable fraction

TLV TLV withdrawn-insufficient data human occup. exp.

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls

Personal protection equipment

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand Protection: Wear suitable gloves.

Glove material: Compatible chemical-resistant gloves.

Eye protection: Tight sealing safety goggles.

Skin and body protection: Wear suitable protective clothing.

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

Environmental exposure controls

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Liquid (suspension).

Colour pinky

Odour odorless

Odor threshold: Not determined.

pH (at 20°C): 7.4

Melting point/Melting range: Undetermined

Boiling point/Boiling range: 100 °C

Flash point: Not applicable.

Flammability (solid, gaeouss): Not applicable.

Autoignition temperature: Product is not self-igniting..

Decomposition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Higher: Not determined.

Vapor Pressure at 20°C: 0.1 hPa

Density: 1.05565 g/cm³

Evaporation rate: Not determined.

Solubility in / Miscibility with Water: Fully miscible

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Partition coefficient (n-octanol/water): Not determined.

Viscosity

Dynamic: Not determined.

Kinematic: Not determined.

Solvent concentration:

Organic solvents: 3.84 %

Water: 95.51 %

Solid content: 0.65 %

Other information No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity: No hazardous reactions are expected because the product is stable under recommended storage conditions

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Non-applicable

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity: The product is not subject to classification according to internally approved calculation methods for preparations.

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity – oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

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Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

NTP (National Toxicology Program)

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -development Based on available data the classification criteria are not met.

Specific target organ toxicity

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met

12. ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Ecotoxicity No data available

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

13. DISPOSAL CONSIDERATIONS

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

14. TRANSPORT INFORMATION

UN-Number

ADR, ADN, IMDG, IATA:

UN proper shipping name

void

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ADR, ADN, IMDG, IATA: Transport Hazard Classe(s)	void
ADR, ADN, IMDG, IATA Packing group	void
DOT, ADR, IMDG, IATA: ENvironmental hazards:	void
<i>Marine pollutant:</i>	No
Special precautions for user:	Not applicable
T Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	
UN "Model Regulation": void	Not applicable

15. REGULATORY INFORMATION

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

National regulations: None

Other regulations: None

Chemical safety evaluation: None

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogen categories

EPA (Environmental Protection Agency): None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH): 57-50-1 sucrose, pure A4

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients are listed.

GHS label elements: Void

16. OTHER INFORMATION

The above information is believed to be accurate, but does not purport to be all inclusive and shall be used only as a guide. Canvax Biotech makes no warranty, express or implied, and assumes no responsibility as to the accuracy or suitability of such information or application to the User's intended purpose or for consequences of its use. The Users should make independent decisions regarding the completeness of information based on all sources available.