

MICROBMONITOR2[®]

SAFETY DATA SHEET

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 GHS Product Identifier

Product Name

MicrobMonitor2.

Trade Name

MicrobMonitor2.

Product Code

ECHA16/MM/01 (MM2-001), ECHA16/MM/02 (MM2-005), ECHA16/MM/50/NA (MM2-050NA), ECHA16/MM/50/WA (MM2-050WA)

CAS No.

Mixture.

EINECS No.

Mixture.

1.2 Recommended use of the chemical and restrictions on use

Identified use(s)

Prepared culture media for the development of microorganisms (HS 38.21.00.00.00) originating in fuel samples or water associated with fuel from the following non-inclusive list of industrial sectors: aviation, petroleum, automotive, marine, power generation, military, fuel storage and end users of fuel.

Uses advised against

Not to be used to test any substance / sample of human or animal origin.

1.3 Identity of manufacturer/importer and other suppliers

Distributor

C & L Sales & Services Pty Ltd
U3, 40 Waterview Street
Carlton 2218 NSW
Australia
Att: Mr Brian George
sales@candl.org
+61 (2) 9547 1048

E-Mail (competent person)

Telephone

Manufacturer

ECHA Microbiology Ltd.
Unit 22 & 23 Willowbrook Technology Park
Llandogo Rd., CARDIFF CF3 0EF
United Kingdom (UK).
+44 (0) 29 2036 5930
+44 (0) 29 2036 1195
info@echamicrobiology.com

Telephone

Fax

E-Mail (competent person)

1.4 Emergency telephone number

Australia

+61 (2) 9547 1048

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification (3rd Revision)

Not classified as dangerous for supply/use.

2.2 Label elements

Hazard pictogram(s)

According to GHS Classification

Signal word(s)

None.

Hazard statement(s)

None.

Precautionary statement(s)

None.

2.3 Other hazards

None.

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2.4 Additional Information None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

No component is present at sufficient concentration to require a hazardous classification.

3.1 Substances

Not applicable.

3.2 Mixtures

GHS Classification

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
Water	>97	7732-18-5	231-791-2	None
Tryptone	<0.5	73049-73-7	None assigned	None
Purified Agar	<0.3	9002-18-0	232-658-1	None

3.3 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact
Eye Contact

Ingestion

Unlikely route of exposure.

Wash with plenty of soap and water.

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

Wash out mouth with water. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Unlikely to be required but if necessary treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

No special requirements.

4.4 Additional Information

Exposure to the content of used test kit: If symptoms occur obtain medical attention.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Unsuitable extinguishing media

As appropriate for surrounding fire.

None known.

5.2 Special hazards arising from the substance or mixture

This product may give rise to hazardous fumes in a fire. Hazardous decomposition product(s): Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit.

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6. SECTION 6: ACCIDENTAL RELEASE MEASURES

Spillage is unlikely to occur unless the glass bottles of the test kit are broken.

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|-----|--|---|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Caution - spillages may be slippery. Wear protective gloves. |
| 6.2 | Environmental precautions | Avoid release to the environment. |
| 6.3 | Methods and material for containment and cleaning up | Cover with absorbent or contain. Collect and dispose. Cover with disinfectant. Wait for at least 10 minutes before recovering for disposal. If broken glass accidentally cuts the skin, clean the wound thoroughly and seek medical advice. |
| | Unused test kit | |
| | Used test kit | |
| 6.4 | Reference to other sections | See Also Section 8. |

7. SECTION 7: HANDLING AND STORAGE


- | | | |
|-------|---|---|
| 7.1 | Precautions for safe handling | Wear appropriate personal protective equipment, avoid direct contact. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash the contaminated area of body with soap and fresh water. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Keep container tightly closed in a cool dark place. Keep away from direct sunlight. |
| 7.2.1 | Storage Temperature | Ideal storage temperature: 2 – 8 °C. Incubate at 25° (or the temperature of the system being tested). If an incubator is not available use a dark warm draught free cupboard at 25° C. |
| | Unused test kit | |
| | Used test kit | |
| 7.2.2 | Storage Life | Stable under normal conditions. |
| 7.2.3 | Incompatible materials | No information available. |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Water	7732-18-5	-	-	-	-	None assigned
Tryptone	73049-73-7	-	-	-	-	None assigned
Purified Agar	9002-18-0	-	-	-	-	None assigned

Source: WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS

- | | | |
|-------|---|---|
| 8.1.2 | Biological limit value | No information available. |
| 8.2 | Appropriate engineering controls | Ensure adequate ventilation. |
| 8.3 | Personal protection equipment | Wear protective eye glasses for protection against liquid splashes. |
| | Eye/face protection | |
| |  | |
| | Skin protection (Hand protection/ Other) | Wear protective gloves. |

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Respiratory protection

Not normally required.



Thermal hazards

Not applicable.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Gel in a glass bottle.
Colour	Colourless - Yellow - Pink.
Odour	Odourless.
Odour threshold	Not established.
pH	6.5
Melting point/freezing point	90°C
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not available.
Solubility (Water)	Miscible.
Solubility (Other)	No information available.
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not applicable.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Keep away from direct sunlight.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	Low acute toxicity. Used test kit: May be harmful and cause infection due to the presence of micro-organisms growing in the gel.
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Not classified.

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	Respiratory or skin sensitisation	It is not a skin sensitiser.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	No evidence of carcinogenicity.
	Reproductive toxicity	Not classified.
	Specific target organ toxicity — single exposure	None anticipated.
	Specific target organ toxicity — repeated exposure	None anticipated.
	Aspiration hazard	Not classified.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Ecotoxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	The product is readily biodegradable. Unlikely to persist.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4	Mobility in soil	Soluble in water.
12.5	Other adverse effects	None anticipated.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	If there is evidence of microbial contamination (i.e red spots can be seen in the gel) then dispose of as non sterile and used test kits. If no growth is visible in the gel then dispose of as sterile and unused tests.
	Sterile and Unused Microbmonitor2 tests	
	Licensed Waste Contractor	Dispose of via an authorised person / licensed waste contractor in accordance with local, state or national legislation.
	Incineration	Incineration may be carried out under controlled conditions provided local regulations for emissions are met by an authorised person / licensed waste contractor.
	Non sterile and used Microbmonitor2 tests	
	Disinfection followed by Licensed Waste Contractor	Sterilize the Microbmonitor2 kits by following manufacturer's instructions provided with the test kit. Dispose of via an authorised person / licensed waste contractor in accordance with local, state or national legislation.
	Incineration	Classify as a bio-hazardous infectious test kit showing growth. Incineration may be carried out under controlled conditions provided local regulations for emissions are met by an authorised person / licensed waste contractor.

14. SECTION 14: TRANSPORT INFORMATION

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

Not classified as dangerous for transport.

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14.1	UN number	Not applicable.
14.2	Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Hazchem or Emergency Action Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	AICS (Australian Inventory of Chemical Substances)	All chemicals listed.
	Australian HVICL (High Volume Industrial Chemicals List)	Listed: Water (CAS No.: 7732-18-5)
	NICNAS Priority Existing Chemical (PEC)	All chemicals are not listed.
	NPI (National Pollutant Inventory)	All chemicals are not listed.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 2, 3, 8, 9, 11, 14, 15

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit

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