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### 1 Identification

#### 1.1 Product identifier:

Product name: FlipRight Vial with 9 ml Letheen Broth  
Item number: FRV-9LET  
Recommended use(s) of the product: Processing of samples for microorganisms  
Uses of the product not advised:

#### 1.2 Details of the supplier of the safety data sheet:

Company information:  
World Bioproducts LLC  
17280 Woodinville-Redmond Rd NE, Suite B-818  
Woodinville, WA 98072  
Telephone 425-242-4153  
FAX 425-486-1507  
Email [info@worldbioproducts.net](mailto:info@worldbioproducts.net)

#### 1.3 Emergency telephone:

Emergency phone #: 877-260-6441

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### 2 Hazards Identification

#### 2.1 Classification of the substance or mixture:

The mixture is not classified according to the Globally Harmonized System (GHS)

#### 2.2 Classification according to 67/548/EEC or 1999/45/EC:

The product contains no hazardous materials, or concentrations of materials of all constituents in this product are below regulatory limits, as described by OSHA 29 CFR 1910.1200, Canada's WHMIS, and EC directives 67/548/EEC and 1999/45/EC

#### 2.3 GHS label elements, including precautionary statements:

GHS label: Void  
Hazard Pictogram/Symbols: Void  
Hazard statements: Void  
Precautionary statements: Void

#### 2.4 NFPA ratings (scale 0-4)



### 2.5 HMIS ratings (scale 0-4)

HEALTH	0	Health = 0
FIRE	0	Flammability = 0
REACTIVITY	0	Reactivity = 0

### 2.6 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

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## 3 Composition/Information on Ingredients

### 3.1 Chemical Characterization: Mixture

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory limit threshold limits according to OSHA 29 CFR 1910.1200, Canada's WHMIS, and EC directives 67/548/EEC and 1999/45/EC. No components need to be disclosed according to applicable regulations.

### 3.2 Form:

A polypropylene container with letheen broth solution

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## 4 First Aid Measures

### 4.1 General information:

No special measures expected

### 4.2 In case of skin contact:

Immediately wash with plenty water and soap; rinse thoroughly with water

If rash or irritation appear, get medical attention

### 4.2 In case of ingestion:

Rinse mouth with water

Never give anything by mouth to an unconscious person

### 4.3 In case of inhalation:

Move the victim to fresh air and consult doctor with any breathing difficulty

In case of irregular breathing or respiratory arrest, provide artificial respiration

### 4.4 In case of eye contact:

Immediately wash eye with plenty of water for at least 15 minutes lifting eyelids

### 4.5 Most important symptoms or effects, both acute and delayed: May cause irritation

- 4.6 Indication of any immediate medical attention and special treatment needed:** no data available
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## 5 Fire-Fighting Measures

- 5.1 Extinguishing media:**  
Use water spray, ABC multipurpose dry chemical, carbon dioxide, or alcohol resistant foam
- 5.2 Special hazards arising from the product:**  
Burning plastic (polypropylene) will give rise to toxic fumes and smoke. Decomposition products may include carbon oxides and trace amounts of acrolein, formaldehyde, and other organic vapors.
- 5.3 Advice for firefighters:**  
Keep product exposed to fire cool by spraying with water  
Use positive-pressure breathing apparatus  
Wear chemical protection suit
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## 6 Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures:**  
Wear protective clothing as recommended in section 8
- 6.2 Environmental precautions:**  
None. Wipe up with a damp sponge or mop
- 6.3 Reference to other sections:**  
See Section 7
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## 7 Handling and Storage

- 7.1 Handling:**  
Handle according to Good Laboratory Practices  
Do not eat, drink or smoke when using this product  
Avoid contact with skin and eyes  
Eyewash bottles should be available  
Wash hands after using this product
- 7.2 Storage:**  
Keep individual sampling devices sealed in zip lock pouch. Store boxes in a dry environment at ambient temperatures
- 7.3 Specific end use(s)**  
For the sampling of surfaces for microorganisms

### 8 Exposure Controls/Personal Protection

- 8.1 Control parameters:**  
Contains no substances with occupational exposure limit values
- 8.2 Exposure controls:**  
Handle according to Good Laboratory Practices
- 8.3 Protection of the hands:**  
Wear chemical resistant gloves (e.g. nitrile, or equivalent)
- 8.4 Protection of the eyes:**  
Wear safety glasses approved to NIOSH or EN 166 standards
- 8.5 Protection of the body:**  
Wear a laboratory coat



### 9 Physical and Chemical Properties

- 9.1 Appearance/odor:**  
Form: Liquid in a hard polypropylene container.  
Color: Tan color  
Odor: Characteristic of a protein containing culture medium
- 9.2 Properties:**

<b>pH:</b> Neutral
<b>Melting point/range:</b> No information available
<b>Boiling point/range:</b> No information available
<b>Boiling point/boiling range:</b> No information available
<b>Flash point:</b> No information available
<b>Evaporation rate:</b> No information available
<b>Flammability:</b> No information available
<b>Vapor pressure:</b> No information available
<b>Vapor density:</b> No information available
<b>Auto igniting:</b> Product is not self-igniting
<b>Danger of explosion:</b> Product does not present an explosion hazard
<b>Density:</b> No information available
<b>Solubility in water:</b> Soluble
<b>Oxidizing properties:</b> No information available
<b>Viscosity:</b> No information available

## 10 Stability and Reactivity

**Reactivity:** No information available

**Chemical stability:** Considered stable under normal conditions

**Possibility of hazardous reactions:** No hazardous reactions known if used for its intended purpose

**Conditions to be avoided:** No further relevant information available

**Incompatible materials:** No information is available

**Hazardous decomposition products:** Burning plastic (polypropylene) will give rise to toxic fumes and smoke. Decomposition products may include carbon oxides and trace amounts of acrolein, formaldehyde, and other organic vapors.

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## 11 Toxicological Information

### 11.1 Information on toxicological effects:

**Acute toxicity:** No experimental data available

**Primary irritant effect:** May cause irritation of skin or redness. May cause irritation of eyes or redness

No evidence of carcinogenic effects (No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or anticipated to be a carcinogen by OSHA or NTP.)

No evidence of mutagenic effects

No information of teratogenic effects

Hazardous properties are unlikely when handled according to intended use.

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## 12 Ecological Information

### 12.1 Toxicity:

Aquatic toxicity: No information available

Persistence and degradability: No information available

### 12.2 Behavior in environmental systems:

Bioaccumulative potential: No information available

Mobility in soil: No information available

### 12.3 Results of PBT and vPvB Assessment

PBT: Not applicable

vPvB: Not applicable

### 12.4 Other information:

To the best of our knowledge, the properties of this material have not been fully evaluated. No

environmental hazard is anticipated when the material is used as intended and disposed of properly.

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### 13 Disposal considerations

#### 13.1 Waste treatment methods:

Disposal should be in accordance with local, state or national statutes

The device itself is not biohazardous. High levels of microorganisms may be obtained with incubation of the device and/or if additional nutritive solutions are added to the device followed by incubation. If this is the case, follow Good Laboratory Practices for effective decontamination before disposal.

Refer to manufacturer for information on recycling.

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### 14 Transport Information

**UN number:** Not applicable

**UN proper shipping name:** Not applicable

**Transport hazard class:** Not applicable

**Packing group:** Not applicable

**Environmental hazards:** Not applicable

**Special precautions for user:** Not applicable

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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### 15 Regulatory Information

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

**Chemical safety assessment:** No information is available

**SARA Section 355 (extremely hazardous substances):** None of the ingredients is listed

**SARA Section 313 (specific toxic chemical listings):** None of the ingredients is listed

**California Prop. 65 Components:** The product does not contain any chemicals identified by the State of California to cause cancer, birth defects, or any other reproductive harm.

### 16 Other Information

The information provided herein is correct to the best of our knowledge, information, and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not considered a warranty or quality specification. World Bioproducts assumes no liability whatsoever for the accuracy or completeness of the information stated in this Safety Data Sheet. Final determination of the suitability and purpose of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

#### Abbreviations and acronyms:

DOT	Department of Transportation (U.S.)
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System (U.S.)
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
NFPA	National Fire Protection Association (U.S.)
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration (U.S.)
PBT	Persistent Bioaccumulative and Toxic (PBT) Chemical Program (U.S.)
SARA	Superfund Amendments and Reauthorization Act (U.S.)
vPvB	very Persistent and very Bioaccumulative (U.S.)
WHMIS	Workplace Hazardous Materials Information System (Canada)