

## SAFETY DATA SHEET (SDS)

### 1. Product Identification:

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| <b>Product Name:</b>                | Chikungunya Virus (Strain: 181/25) Culture Fluid (1 mL)        |
| <b>Catalog Number:</b>              | 0810625CF                                                      |
| <b>Product ID Number (CAS #):</b>   | Not Applicable.                                                |
| <b>Intended use of the product:</b> | For research use only. Not for use in diagnostic procedures.   |
| <b>Manufacturer:</b>                | ZeptoMetrix LLC<br>878 Main Street                             |
| <b>Address:</b>                     | Buffalo, New York 14202<br>United States of America            |
| <b>Telephone:</b>                   | ZeptoMetrix: (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) |

### 2. Hazard(s) Identification:

|                                 |                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Classification:</b>          | This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).                                                                                                                                                                  |
| <b>Hazard Pictograms</b>        | None.                                                                                                                                                                                                                                                                   |
| <b>Signal word:</b>             | None.                                                                                                                                                                                                                                                                   |
| <b>Hazard statements:</b>       | None.                                                                                                                                                                                                                                                                   |
| <b>Precautionary statement:</b> | None.<br><b>POTENTIAL BIOHAZARD.</b>                                                                                                                                                                                                                                    |
| <b>Other hazards:</b>           | May present unknown hazards and should be handled as if capable of transmitting infectious agents.<br>Use universal precautions with proper personal protective equipment, proper engineering controls and use within the parameters of the purchaser's safety program. |
| <b>Unknown acute toxicity:</b>  | No information available.                                                                                                                                                                                                                                               |

### 3. Composition/Information on Ingredients:

| <u>Component Name</u>               | <u>CAS Number</u> | <u>Concentration</u> | <u>Classification</u> |
|-------------------------------------|-------------------|----------------------|-----------------------|
| Trade Secret – Undisclosed Identity | Not Applicable    | Not Applicable       | Not Applicable        |

### 4. First Aid/Emergency Measures:

|                                                                                                                   |                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Description of first aid measures</u></b>                                                                   |                                                                                                                                                                                                                                                                                       |
| <b>First-aid measures general:</b>                                                                                | If you feel unwell, seek medical advice.                                                                                                                                                                                                                                              |
| <b>First-aid measures after Eye Contact:</b>                                                                      | Rinse cautiously with copious amounts of water for several minutes.                                                                                                                                                                                                                   |
| <b>First-aid measures after Skin Contact:</b>                                                                     | Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.                                                                                                                                     |
| <b>First-aid measures after Ingestion:</b>                                                                        | If the person is unconscious, seek emergency medical attention: never give anything by mouth to an unconscious person. If the person is conscious, wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician. |
| <b>First-aid measures after Inhalation:</b>                                                                       | If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.                                                                                                                                                         |
| <b><u>Most important symptoms and effects, both acute and delayed</u></b>                                         |                                                                                                                                                                                                                                                                                       |
| <b>Symptoms/injuries after Eye Contact:</b>                                                                       | Seek medical assistance if persist.                                                                                                                                                                                                                                                   |
| <b>Symptoms/injuries after Skin Contact:</b>                                                                      | Seek medical assistance if persist.                                                                                                                                                                                                                                                   |
| <b>Symptoms/injuries after Ingestion:</b>                                                                         | Seek medical assistance if persist.                                                                                                                                                                                                                                                   |
| <b>Symptoms/injuries after Inhalation:</b>                                                                        | Seek medical assistance if persist.                                                                                                                                                                                                                                                   |
| <b>Indication of any immediate medical attention and special treatment needed :</b> No special measures required. |                                                                                                                                                                                                                                                                                       |

## 5. Fire and Explosion Measures:

|                                                                     |                                                                                                                                         |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Extinguishing Media</u></b>                                   |                                                                                                                                         |
| Suitable extinguishing media:                                       | Use an extinguishing agent suitable for the surrounding area.                                                                           |
| Unsuitable extinguishing media:                                     | Use an extinguishing agent suitable for the surrounding area.                                                                           |
| <b><u>Special hazards arising from the substance or mixture</u></b> |                                                                                                                                         |
| Fire hazard:                                                        | No known hazards.                                                                                                                       |
| Explosion hazard:                                                   | No known hazards.                                                                                                                       |
| Reactivity:                                                         | No known hazards.                                                                                                                       |
| <b><u>Advice for firefighters</u></b>                               |                                                                                                                                         |
| Firefighting instructions:                                          | Exercise caution when fighting a fire.                                                                                                  |
| Protection during firefighting:                                     | Firefighters should wear protective gear. Do not enter fire area without proper protective equipment, including respiratory protection. |

## 6. Accidental Release Measures:

|                                                                                   |                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b><u>Personal precautions, protective equipment and emergency procedures</u></b> |                                                                                               |
| General measures:                                                                 | Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.    |
| <b><u>For non-emergency personnel</u></b>                                         |                                                                                               |
| Protective equipment:                                                             | Use appropriate personal protective equipment (PPE).                                          |
| Emergency procedures:                                                             | Use appropriate emergency laboratory procedures.                                              |
| <b><u>For emergency responders</u></b>                                            |                                                                                               |
| Protective equipment:                                                             | Use appropriate personal protective equipment (PPE).                                          |
| Emergency procedures:                                                             | Use appropriate emergency procedures.                                                         |
| <b><u>Methods and material for containment and cleaning up</u></b>                |                                                                                               |
| For containment:                                                                  | Contain material in accordance to State and Federal regulations.                              |
| Methods for cleaning up:                                                          | Follow and dispose of material in accordance to State and Federal waste disposal regulations. |

## 7. Handling and Storage:

|                                |                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling: | Handle in accordance with all <b>Biosafety Level 2</b> procedures. For a detailed discussion on biological safety see the current edition of Biosafety in Microbiological and Biomedical Laboratories (BMBL), published by the CDC. |
| Storage conditions:            | Keep container closed when not in use. Do not store in a frost-free freezer.                                                                                                                                                        |
| Incompatible products:         | No Data Available.                                                                                                                                                                                                                  |
| Incompatible materials:        | No Data Available.                                                                                                                                                                                                                  |
| Storage:                       | Recommended storage temperature -65°C or below.                                                                                                                                                                                     |

## 8. Exposure Controls and Personal Protection:

|                                   |                                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------|
| Appropriate engineering controls: | Use universal precautions. Product may present unknown biohazard.                        |
| Personal Protective Equipment:    | Use laboratory coat, protective gloves, safety glasses and suitable protective clothing. |
| Pictograms:                       |       |
| Eye/Face protection:              | Wear in accordance with good laboratory practices and safety procedures.                 |
| Skin and body protection:         | Wear in accordance with good laboratory practices and safety procedures.                 |
| Respiratory protection:           | Wear in accordance with good laboratory practices and safety procedures.                 |
| Hand protection:                  | Wear in accordance with good laboratory practices and safety procedures.                 |
| Mechanical protection:            | Wear in accordance with good laboratory practices and safety procedures.                 |
| Special work practices:           | Follow purchaser's safety program.                                                       |

## 9. Physical and Chemical Properties:

|                                                      |                                            |
|------------------------------------------------------|--------------------------------------------|
| <b>Physical State:</b>                               | Liquid at room temperature.                |
| <b>Appearance/color:</b>                             | Light pink, orange, or yellowish in color. |
| <b>Odor:</b>                                         | No Data Available.                         |
| <b>Odor threshold:</b>                               | No Data Available.                         |
| <b>pH:</b>                                           | No Data Available.                         |
| <b>Melting point/freezing point:</b>                 | No Data Available.                         |
| <b>Boiling point:</b>                                | No Data Available.                         |
| <b>Flash point:</b>                                  | No Data Available.                         |
| <b>Evaporation rate:</b>                             | No Data Available.                         |
| <b>Flammability:</b>                                 | No Data Available.                         |
| <b>Upper/lower flammability or explosive limits:</b> | No Data Available.                         |
| <b>Vapor pressure:</b>                               | No Data Available.                         |
| <b>Vapor density:</b>                                | No Data Available.                         |
| <b>Relative density:</b>                             | No Data Available.                         |
| <b>Solubility(ies):</b>                              | No Data Available.                         |
| <b>Partition coefficient:</b>                        | No Data Available.                         |
| <b>Auto-ignition temperature:</b>                    | No Data Available.                         |
| <b>Decomposition temperature:</b>                    | No Data Available.                         |
| <b>Viscosity:</b>                                    | No Data Available.                         |
| <b>Other information:</b>                            | May settle. Mix gently before use.         |

## 10. Stability and Reactivity:

|                                            |                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>                         | No Data Available.                                                                                   |
| <b>Chemical stability:</b>                 | The product is stable.                                                                               |
| <b>Possibility of hazardous reactions:</b> | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid:</b>                | No Data Available.                                                                                   |
| <b>Incompatible materials:</b>             | No Data Available.                                                                                   |
| <b>Hazardous decomposition products:</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## 11. Toxicological Information:

|                                                            |                    |
|------------------------------------------------------------|--------------------|
| <b>Skin corrosion/irritation:</b>                          | No Data Available. |
| <b>Eye damage/irritation:</b>                              | No Data Available. |
| <b>Respiratory damage/irritation:</b>                      | No Data Available. |
| <b>Ingestion damage/irritation:</b>                        | No Data Available. |
| <b>Specific target organ toxicity (single exposure):</b>   | No Data Available. |
| <b>Specific target organ toxicity (repeated exposure):</b> | No Data Available. |
| <b>Numerical measure of toxicity:</b>                      | No Data Available. |
| <b>Symptoms/injuries after skin contact:</b>               | No Data Available. |
| <b>Symptoms/injuries after eye contact:</b>                | No Data Available. |
| <b>Symptoms/injuries after inhalation:</b>                 | No Data Available. |
| <b>Symptoms/injuries after ingestion:</b>                  | No Data Available. |

## 12. Ecological Information:

|                                       |                    |
|---------------------------------------|--------------------|
| <b>Ecotoxicity:</b>                   | No Data Available. |
| <b>Persistence and degradability:</b> | No Data Available. |
| <b>Bioaccumulative potential:</b>     | No Data Available. |
| <b>Mobility in soil:</b>              | No Data Available. |
| <b>Other adverse effects:</b>         | No Data Available. |

## 13. Disposal Information:

|                                        |                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Waste disposal recommendations:</b> | Dispose of material in accordance to local, State and Federal waste disposal regulations. |
|----------------------------------------|-------------------------------------------------------------------------------------------|

## 14. Transport Information:

|                                                                       |                                           |
|-----------------------------------------------------------------------|-------------------------------------------|
| <b>UN number</b>                                                      | UN3373                                    |
| <b>UN proper shipping name</b>                                        | Biological Substance, Category B.         |
| <b>Hazard Class</b>                                                   | 6.2                                       |
| <b>Packing group</b>                                                  | None.                                     |
| <b>Environmental hazards</b>                                          | No data available.                        |
| <b>Transport in bulk<br/>(According to MARPOL 73/78 and IBC Code)</b> | Packing Instruction: P650                 |
| <b>Special precautions</b>                                            | May require Biosafety Level 2 Laboratory. |

## 15. Regulatory Information:

|                                                   |                                                                                                                                         |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>SARA 311/312:</b>                              | Not listed.                                                                                                                             |
| <b>Canadian WHMIS Classification:</b>             | No Information Available.                                                                                                               |
| <b>REACH (Regulation (EC) 1907/2006):</b>         | This product complies with or is exempted from the registration process.                                                                |
| <b>RoHS (Directives 2011/65/EU and 2015/863):</b> | This product complies with or is exempted from the registration process.                                                                |
| <b>WEEE (Directive 2012/19/EU):</b>               | This product complies with or is exempted from the registration process.                                                                |
| <b>California Proposition 65:</b>                 | This product does not contain chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm. |

## 16. Other Information:

|                         |            |
|-------------------------|------------|
| <b>Preparation Date</b> | 2022/11/07 |
|-------------------------|------------|

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