





## SAFETY DATA SHEET (SDS)

|   |  |
|---|--|
| <b>Product Name:</b>                      | Rat IgG ELISA  |
| <b>Catalog Number:</b>                    | 0801009  |
| <b>Product ID Number (CAS #)</b>          | No Data Available  |
| <b>Intended use of the product:</b>       | For research or further manufacturing only.  |
| <b><u>ZeptoMetrix Corporation</u></b>     |  |
| 878 Main Street                           |  |
| Buffalo, New York 14202                   |  |
| Phone: (716) 882-0920 Fax: (716) 882-0959 |  |
| <b>Emergency telephone number:</b>        | (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST |


| Component Number | Component Description      | Hazard Identifications  |
|------------------|----------------------------|---|
| 0701007          | Anti-Rat IgG Microplate    | None  |
| 0701008          | Rat IgG Detector Antibody  | None  |
| 0701010          | Rat IgG Standard 125 ng/mL |    |
| 0705009          | Assay Diluent              |   |
| 0707002          | 10X Plate Wash Buffer      |  |
| 0708003          | Stop Solution              |  |
| 0718003          | TMB Substrate              | None  |

# SAFETY DATA SHEET (SDS)

## 1. Product Identification:

|                                       |  |
|---------------------------------------|--|
| Product Name:                         | Rat IgG Standard 125 ng/ml   |
| Catalog Number:                       | 0701010  |
| Product ID Number (CAS #)             | No Data Available  |
| Intended use of the product:          | For research or further manufacturing only.  |
| <b><u>ZeptoMetrix Corporation</u></b> |  |
| 878 Main Street                       |  |
| Buffalo, New York 14202               |  |
| Phone: (716) 882-0920                 | Fax: (716) 882-0959  |
| Emergency telephone number:           | (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST |

## 2. Hazard(s) Identification:

|   |  |
|---|--|
| <b>Classification of the substance or chemical:</b> |  |
| Classification:                                     | Irritant (skin and eye)  |
| <b>Hazard Pictograms</b>                            |   |
| Signal word:  | Warning  |
| <b>Hazard statements:</b>                           | Causes serious eye irritation<br>May cause skin irritation<br>Wash hands thoroughly after handling   |
| <b>Precautionary statement:</b>                     | Wear protective gloves/protective clothing/eye protection/face protection<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>If eye irritation persists: Get medical advice/attention |
| <b>Other hazards:</b>                               | No Data Available  |
| <b>Unknown acute toxicity:</b>                      | No Data Available  |

## 3. Composition/Information on Ingredients:

| <u>Component Name</u>                  | <u>CAS Number</u> | <u>Concentration</u> | <u>Classification</u> |
|--|-------------------|----------------------|-----------------------|
| octyl phenol ethoxylate (Triton X-100) | 9002-93-1         | 1%                   | Irritant              |
| 2-Chloroacetamide                      | 79-07-2           | 0.1%                 | Irritant              |

## 4. First Aid/Emergency Measures:

|  |   |
|--|---|
| <b>Description of first aid measures</b>   |   |
| First-aid measures general:  | If you feel unwell, seek medical advice.  |
| First-aid measures after Eye Contact:  | Rinse cautiously with copious amounts of water for several minutes.   |
| First-aid measures after Skin Contact:   | Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.   |
| First-aid measures after Ingestion:  | 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. |
| First-aid measures after Inhalation:   | If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.   |
| <b>Most important symptoms and effects, both acute and delayed</b>   |   |
| Symptoms/injuries after Eye Contact:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Skin Contact:  | Seek medical assistance if persist.   |
| Symptoms/injuries after Ingestion:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Inhalation:  | 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>Extinguishing Media</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>Special hazards arising from the substance or mixture</b> |   |
| Fire hazard:   | No Data Available   |
| Explosion hazard:  | No Data Available   |
| Reactivity:  | No Data Available   |
| <b>Advice for firefighters</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>Personal precautions, protective equipment and emergency procedures</b> |   |
| General measures:  | Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.    |
| <b>For non-emergency personnel</b>   |   |
| Protective equipment:  | Use appropriate personal protective equipment (PPE).  |
| Emergency procedures:  | Use appropriate emergency laboratory procedures.  |
| <b>For emergency responders</b>  |   |
| Protective equipment:  | Use appropriate personal protective equipment (PPE).  |
| Emergency procedures:  | Use appropriate emergency procedures.   |
| <b>Methods and material for containment and cleaning up</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:**

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                |  |
| Precautions for safe handling:                                      | Handle in accordance with good laboratory practices and safety procedures. |
| <b>Conditions for safe storage, including any incompatibilities</b> |  |
| Storage conditions:   | Store in a dry and cool place. Keep container closed when not in use.      |
| Incompatible products:  | No Data Available  |
| Incompatible materials:   | No Data Available  |
| Storage:  | Recommended storage temperature 2-8 Degrees Celsius.                       |

**8. Exposure Controls and Personal Protection:**

|                                   |  |
|-----------------------------------|--|
| <b>Exposure Controls</b>          |  |
| Appropriate engineering controls: | Handle in accordance with good laboratory practices and safety procedures.               |
| 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:           | Wear in accordance with good laboratory practices and safety procedures.                 |

**9. Physical and Chemical Properties:**

| Information on basic physical and chemical properties |                   |
|---|-------------------|
| Physical State:                                       | Liquid            |
| Appearance/color:                                     | Clear to Amber    |
| Odor:   | No Data Available |
| Odor threshold:                                       | No Data Available |
| pH:   | 7.2-7.4           |
| Melting point/freezing point:                         | No Data Available |
| Boiling point:  | No Data Available |
| Flash point:  | No Data Available |
| Evaporation rate:                                     | No Data Available |
| Flammability:   | No Data Available |
| Upper/lower flammability or explosive limits:         | No Data Available |
| Vapor pressure:                                       | No Data Available |
| Vapor density:  | No Data Available |
| Relative density:                                     | No Data Available |
| Solubility(ies):                                      | No Data Available |
| Partition coefficient:                                | No Data Available |
| Auto-ignition temperature:                            | No Data Available |
| Decomposition temperature:                            | No Data Available |
| Viscosity:  | No Data Available |
| <b>Other information:</b>                             | No Data Available |

**10. Stability and Reactivity:**

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

**11. Toxicological Information:**

| Information on toxicological effects                |                            |
|---|----------------------------|
| Skin corrosion/irritation:                          | May cause skin irritation. |
| Eye damage/irritation:                              | May cause eye irritation.  |
| Respiratory damage/irritation:                      | No Data Available          |
| Ingestion damage/irritation:                        | No Data Available          |
| Specific target organ toxicity (single exposure):   | No Data Available          |
| Specific target organ toxicity (repeated exposure): | No Data Available          |
| Numerical measure of toxicity:                      | No Data Available          |
| Symptoms/injuries after skin contact:               | No Data Available          |
| Symptoms/injuries after eye contact:                | No Data Available          |
| Symptoms/injuries after inhalation:                 | No Data Available          |
| Symptoms/injuries after ingestion:                  | No Data Available          |

**12. Ecological Information:**

|                                |                   |
|--------------------------------|-------------------|
| Ecotoxicity:                   | No Data Available |
| Persistence and degradability: | No Data Available |
| Bioaccumulative potential:     | No Data Available |
| Mobility in soil:              | No Data Available |
| Other adverse effects:         | No Data Available |

**13. Disposal Information:**

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

**14. Transport Information:**

| <b>In accordance with IATA Regulations</b> |                   |
|--|-------------------|
| UN number                                  | No Data Available |
| UN proper shipping name                    | No Data Available |
| Department of Transportation (DOT)         | No Data Available |
| Hazard Classes                             | No Data Available |
| Hazard labels (DOT)                        | No Data Available |
|  |                   |
| Packing group (DOT)                        | No Data Available |
| Environmental hazards                      | No Data Available |
| Transport in bulk                          | No Data Available |
| Special precautions                        | No Data Available |

**15. Regulatory Information:**

|  |                   |
|--|-------------------|
| SARA 311/312: Hazard categories for SARA Section 311/312 Reporting   | No Data Available |
| Canadian WHMIS Classification  | No Data Available |
| EU Classification (90/492/EE)  | No Data Available |
| EU Risk and Safety Phrases   | No Data Available |
| California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects). | No Data Available |

**16. Other Information:**

|                  |            |
|------------------|------------|
| Preparation Date | 2015/04/15 |
|------------------|------------|

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All materials and mixtures may present unknown hazards and should be handled and used with caution. When necessary or appropriate, independent opinion regarding the risk of handling or exposure should be obtained from trained professionals.

# SAFETY DATA SHEET (SDS)

**1. Product Identification:**

|   |  |
|---|--|
| <b>Product Name:</b>                      | Assay Diluent  |
| <b>Catalog Number:</b>                    | 0705009  |
| <b>Product ID Number (CAS #)</b>          | No Data Available  |
| <b>Intended use of the product:</b>       | For research or further manufacturing only.  |
| <b><u>ZeptoMetrix Corporation</u></b>     |  |
| 878 Main Street                           |  |
| Buffalo, New York 14202                   |  |
| Phone: (716) 882-0920 Fax: (716) 882-0959 |  |
| <b>Emergency telephone number:</b>        | (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST |

**2. Hazard(s) Identification:**

|   |  |
|---|--|
| <b>Classification of the substance or chemical:</b> |  |
| <b>Classification:</b>                              | Irritant (skin and eye)  |
| <b>Hazard Pictograms</b>                            |   |
| <b>Signal word:</b>                                 | Warning  |
| <b>Hazard statements:</b>                           | Causes serious eye irritation<br>May cause skin irritation<br>Wash hands thoroughly after handling   |
| <b>Precautionary statement:</b>                     | Wear protective gloves/protective clothing/eye protection/face protection<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>If eye irritation persists: Get medical advice/attention |
| <b>Other hazards:</b>                               | No Data Available  |
| <b>Unknown acute toxicity:</b>                      | No Data Available  |

**3. Composition/Information on Ingredients:**

| <u>Component Name</u>                  | <u>CAS Number</u> | <u>Concentration</u> | <u>Classification</u> |
|--|-------------------|----------------------|-----------------------|
| octyl phenol ethoxylate (Triton X-100) | 9002-93-1         | 1%                   | Irritant              |
| 2-Chloroacetamide                      | 79-07-2           | 0.1%                 | Irritant              |

**4. First Aid/Emergency Measures:**

|  |   |
|--|---|
| <b>Description of first aid measures</b>   |   |
| First-aid measures general:  | If you feel unwell, seek medical advice.  |
| First-aid measures after Eye Contact:  | Rinse cautiously with copious amounts of water for several minutes.   |
| First-aid measures after Skin Contact:   | Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.   |
| First-aid measures after Ingestion:  | 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. |
| First-aid measures after Inhalation:   | If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.   |
| <b>Most important symptoms and effects, both acute and delayed</b>   |   |
| Symptoms/injuries after Eye Contact:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Skin Contact:  | Seek medical assistance if persist.   |
| Symptoms/injuries after Ingestion:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Inhalation:  | 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:**

**Extinguishing Media**

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding area.  
 Unsuitable extinguishing media: Use an extinguishing agent suitable for the surrounding area.

**Special hazards arising from the substance or mixture**

Fire hazard: No Data Available  
 Explosion hazard: No Data Available  
 Reactivity: No Data Available

**Advice for firefighters**

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:**

**Personal precautions, protective equipment and emergency procedures**

General measures: Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.

**For non-emergency personnel**

Protective equipment: Use appropriate personal protective equipment (PPE).  
 Emergency procedures: Use appropriate emergency laboratory procedures.

**For emergency responders**

Protective equipment: Use appropriate personal protective equipment (PPE).  
 Emergency procedures: Use appropriate emergency procedures.

**Methods and material for containment and cleaning up**

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**

Precautions for safe handling: Handle in accordance with good laboratory practices and safety procedures.

**Conditions for safe storage, including any incompatibilities**

Storage conditions: Store in a dry and cool place. Keep container closed when not in use.  
 Incompatible products: No Data Available  
 Incompatible materials: No Data Available  
 Storage: Recommended storage temperature 2-8 Degrees Celsius.

**8. Exposure Controls and Personal Protection:**

**Exposure Controls**

Appropriate engineering controls: Handle in accordance with good laboratory practices and safety procedures.  
 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: Wear in accordance with good laboratory practices and safety procedures.

**9. Physical and Chemical Properties:**

**Information on basic physical and chemical properties**

|   |                   |
|---|-------------------|
| Physical State:                               | Liquid            |
| Appearance/color:                             | Clear to Amber    |
| Odor:   | No Data Available |
| Odor threshold:                               | No Data Available |
| pH:   | 7.2-7.4           |
| Melting point/freezing point:                 | No Data Available |
| Boiling point:                                | No Data Available |
| Flash point:                                  | No Data Available |
| Evaporation rate:                             | No Data Available |
| Flammability:                                 | No Data Available |
| Upper/lower flammability or explosive limits: | No Data Available |
| Vapor pressure:                               | No Data Available |
| Vapor density:                                | No Data Available |
| Relative density:                             | No Data Available |
| Solubility(ies):                              | No Data Available |
| Partition coefficient:                        | No Data Available |
| Auto-ignition temperature:                    | No Data Available |
| Decomposition temperature:                    | No Data Available |
| Viscosity:                                    | No Data Available |
| <b>Other information:</b>                     | No Data Available |

**10. Stability and Reactivity:**

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

**11. Toxicological Information:**

**Information on toxicological effects**

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

**12. Ecological Information:**

|                                |                   |
|--------------------------------|-------------------|
| Ecotoxicity:                   | No Data Available |
| Persistence and degradability: | No Data Available |
| Bioaccumulative potential:     | No Data Available |
| Mobility in soil:              | No Data Available |
| Other adverse effects:         | No Data Available |



**13. Disposal Information:**

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

**14. Transport Information:**

| <b>In accordance with IATA Regulations</b> |                   |
|--|-------------------|
| UN number                                  | No Data Available |
| UN proper shipping name                    | No Data Available |
| Department of Transportation (DOT)         | No Data Available |
| Hazard Classes                             | No Data Available |
| Hazard labels (DOT)                        | No Data Available |
|  |                   |
| Packing group (DOT)                        | No Data Available |
| Environmental hazards                      | No Data Available |
| Transport in bulk                          | No Data Available |
| Special precautions                        | No Data Available |

**15. Regulatory Information:**

|  |                   |
|--|-------------------|
| SARA 311/312: Hazard categories for SARA Section 311/312 Reporting   | No Data Available |
| Canadian WHMIS Classification  | No Data Available |
| EU Classification (90/492/EE)  | No Data Available |
| EU Risk and Safety Phrases   | No Data Available |
| California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects). | No Data Available |

**16. Other Information:**

|                  |            |
|------------------|------------|
| Preparation Date | 2015/04/15 |
|------------------|------------|

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# SAFETY DATA SHEET (SDS)

## 1. Product Identification:

|   |  |
|---|--|
| <b>Product Name:</b>                      | 10X Plate Wash Buffer  |
| <b>Catalog Number:</b>                    | 0707002  |
| <b>Product ID Number (CAS #)</b>          | No Data Available  |
| <b>Intended use of the product:</b>       | For research or further manufacturing only.  |
| <b><u>ZeptoMetrix Corporation</u></b>     |  |
| 878 Main Street                           |  |
| Buffalo, New York 14202                   |  |
| Phone: (716) 882-0920 Fax: (716) 882-0959 |  |
| <b>Emergency telephone number:</b>        | (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST |

## 2. Hazard(s) Identification:

|   |   |
|---|---|
| <b>Classification of the substance or chemical:</b> |   |
| <b>Classification:</b>                              | Irritant  |
| <b>Hazard Pictograms</b>                            |  |
| <b>Signal word:</b>                                 | Warning   |
| <b>Hazard statements:</b>                           | May cause skin irritation   |
| <b>Precautionary statement:</b>                     | Wash hands thoroughly after handling  |
| <b>Other hazards:</b>                               | No Data Available   |
| <b>Unknown acute toxicity:</b>                      | No Data Available   |

## 3. Composition/Information on Ingredients:

| <u>Component Name</u> | <u>CAS Number</u> | <u>Concentration</u> | <u>Classification</u> |
|-----------------------|-------------------|----------------------|-----------------------|
| 2-Chloroacetamide     | 79-07-2           | 1%                   | Irritant              |

## 4. First Aid/Emergency Measures:

|  |   |
|--|---|
| <b>Description of first aid measures</b>   |   |
| First-aid measures general:  | If you feel unwell, seek medical advice.  |
| First-aid measures after Eye Contact:  | Rinse cautiously with copious amounts of water for several minutes.   |
| First-aid measures after Skin Contact:   | Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.   |
| First-aid measures after Ingestion:  | 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. |
| First-aid measures after Inhalation:   | If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.   |
| <b>Most important symptoms and effects, both acute and delayed</b>   |   |
| Symptoms/injuries after Eye Contact:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Skin Contact:  | Seek medical assistance if persist.   |
| Symptoms/injuries after Ingestion:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Inhalation:  | 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>Extinguishing Media</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>Special hazards arising from the substance or mixture</b> |   |
| Fire hazard:   | No Data Available   |
| Explosion hazard:  | No Data Available   |
| Reactivity:  | No Data Available   |
| <b>Advice for firefighters</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>Personal precautions, protective equipment and emergency procedures</b> |   |
| General measures:  | Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.    |
| <b>For non-emergency personnel</b>   |   |
| Protective equipment:  | Use appropriate personal protective equipment (PPE).  |
| Emergency procedures:  | Use appropriate emergency laboratory procedures.  |
| <b>For emergency responders</b>  |   |
| Protective equipment:  | Use appropriate personal protective equipment (PPE).  |
| Emergency procedures:  | Use appropriate emergency procedures.   |
| <b>Methods and material for containment and cleaning up</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:**

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                |  |
| Precautions for safe handling:                                      | Handle in accordance with good laboratory practices and safety procedures. |
| <b>Conditions for safe storage, including any incompatibilities</b> |  |
| Storage conditions:   | Store in a dry and cool place. Keep container closed when not in use.      |
| Incompatible products:  | No Data Available  |
| Incompatible materials:   | No Data Available  |
| Storage:  | Recommended storage temperature 2-30 Degrees Celsius.                      |

**8. Exposure Controls and Personal Protection:**

|                                   |  |
|-----------------------------------|--|
| <b>Exposure Controls</b>          |  |
| Appropriate engineering controls: | Handle in accordance with good laboratory practices and safety procedures.               |
| 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:           | Wear in accordance with good laboratory practices and safety procedures.                 |

**9. Physical and Chemical Properties:**

**Information on basic physical and chemical properties**

|   |                   |
|---|-------------------|
| Physical State:                               | Liquid            |
| Appearance/color:                             | Clear             |
| Odor:   | No Data Available |
| Odor threshold:                               | No Data Available |
| pH:   | 7.2-7.4           |
| Melting point/freezing point:                 | No Data Available |
| Boiling point:                                | No Data Available |
| Flash point:                                  | No Data Available |
| Evaporation rate:                             | No Data Available |
| Flammability:                                 | No Data Available |
| Upper/lower flammability or explosive limits: | No Data Available |
| Vapor pressure:                               | No Data Available |
| Vapor density:                                | No Data Available |
| Relative density:                             | No Data Available |
| Solubility(ies):                              | No Data Available |
| Partition coefficient:                        | No Data Available |
| Auto-ignition temperature:                    | No Data Available |
| Decomposition temperature:                    | No Data Available |
| Viscosity:                                    | No Data Available |
| <b>Other information:</b>                     | No Data Available |

**10. Stability and Reactivity:**

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

**11. Toxicological Information:**

**Information on toxicological effects**

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

**12. Ecological Information:**

|                                |                   |
|--------------------------------|-------------------|
| Ecotoxicity:                   | No Data Available |
| Persistence and degradability: | No Data Available |
| Bioaccumulative potential:     | No Data Available |
| Mobility in soil:              | No Data Available |
| Other adverse effects:         | No Data Available |

**13. Disposal Information:**

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

**14. Transport Information:**

| <b>In accordance with IATA Regulations</b> |                   |
|--|-------------------|
| UN number                                  | No Data Available |
| UN proper shipping name                    | No Data Available |
| Department of Transportation (DOT)         | No Data Available |
| Hazard Classes                             | No Data Available |
| Hazard labels (DOT)                        | No Data Available |
|  |                   |
| Packing group (DOT)                        | No Data Available |
| Environmental hazards                      | No Data Available |
| Transport in bulk                          | No Data Available |
| Special precautions                        | No Data Available |

**15. Regulatory Information:**

|  |                   |
|--|-------------------|
| SARA 311/312: Hazard categories for SARA Section 311/312 Reporting   | No Data Available |
| Canadian WHMIS Classification  | No Data Available |
| EU Classification (90/492/EE)  | No Data Available |
| EU Risk and Safety Phrases   | No Data Available |
| California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects). | No Data Available |

**16. Other Information:**

|                  |            |
|------------------|------------|
| Preparation Date | 2015/04/15 |
|------------------|------------|

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All materials and mixtures may present unknown hazards and should be handled and used with caution. When necessary or appropriate, independent opinion regarding the risk of handling or exposure should be obtained from trained professionals.

# SAFETY DATA SHEET (SDS)

## 1. Product Identification:

|   |  |
|---|--|
| <b>Product Name:</b>                      | Stop Solution  |
| <b>Catalog Number:</b>                    | 0708003  |
| <b>Product ID Number (CAS #)</b>          | No Data Available  |
| <b>Intended use of the product:</b>       | For research or further manufacturing only.  |
| <b><u>ZeptoMetrix Corporation</u></b>     |  |
| 878 Main Street                           |  |
| Buffalo, New York 14202                   |  |
| Phone: (716) 882-0920 Fax: (716) 882-0959 |  |
| <b>Emergency telephone number:</b>        | (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST |

## 2. Hazard(s) Identification:

|   |  |
|---|--|
| <b>Classification of the substance or chemical:</b> |  |
| <b>Classification:</b>                              | Corrosive  |
| <b>Hazard Pictograms</b>                            |   |
| <b>Signal word:</b>                                 | Danger   |
| <b>Hazard statements:</b>                           | <p>May be corrosive to metals.<br/>         Causes skin irritation.<br/>         Causes serious eye damage.</p>  |
| <b>Precautionary statement:</b>                     | <p>Wash skin thoroughly after handling.<br/>         Wear protective gloves/ eye protection/ face protection.<br/>         IF ON SKIN: Wash with plenty of soap and water.<br/>         IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> |
| <b>Other hazards:</b>                               | No Data Available  |
| <b>Unknown acute toxicity:</b>                      | No Data Available  |

## 3. Composition/Information on Ingredients:

| <u>Component Name</u>    | <u>CAS Number</u> | <u>Concentration</u> | <u>Classification</u> |
|--------------------------|-------------------|----------------------|-----------------------|
| Citric Acid, Monohydrate | 5949-29-1         | 10-50%               | Irritant              |
| Hydrochloric Acid        | 7647-01-0         | 1-5%                 | Corrosive             |

## 4. First Aid/Emergency Measures:

|  |   |
|--|---|
| <b>Description of first aid measures</b>   |   |
| First-aid measures general:  | If you feel unwell, seek medical advice.  |
| First-aid measures after Eye Contact:  | Rinse cautiously with copious amounts of water for several minutes.   |
| First-aid measures after Skin Contact:   | Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.   |
| First-aid measures after Ingestion:  | 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. |
| First-aid measures after Inhalation:   | If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.   |
| <b>Most important symptoms and effects, both acute and delayed</b>   |   |
| Symptoms/injuries after Eye Contact:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Skin Contact:  | Seek medical assistance if persist.   |
| Symptoms/injuries after Ingestion:   | Seek medical assistance if persist.   |
| Symptoms/injuries after Inhalation:  | 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>Extinguishing Media</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>Special hazards arising from the substance or mixture</b> |   |
| Fire hazard:   | No Data Available   |
| Explosion hazard:  | No Data Available   |
| Reactivity:  | No Data Available   |
| <b>Advice for firefighters</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>Personal precautions, protective equipment and emergency procedures</b> |   |
| General measures:  | Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.    |
| <b>For non-emergency personnel</b>   |   |
| Protective equipment:  | Use appropriate personal protective equipment (PPE).  |
| Emergency procedures:  | Use appropriate emergency laboratory procedures.  |
| <b>For emergency responders</b>  |   |
| Protective equipment:  | Use appropriate personal protective equipment (PPE).  |
| Emergency procedures:  | Use appropriate emergency procedures.   |
| <b>Methods and material for containment and cleaning up</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:**

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                |  |
| Precautions for safe handling:                                      | Handle in accordance with good laboratory practices and safety procedures. |
| <b>Conditions for safe storage, including any incompatibilities</b> |  |
| Storage conditions:   | Store in a dry and cool place. Keep container closed when not in use.      |
| Incompatible products:  | No Data Available  |
| Incompatible materials:   | No Data Available  |
| Storage:  | Recommended storage temperature 2-30 Degrees Celsius.                      |

**8. Exposure Controls and Personal Protection:**

|                                   |  |
|-----------------------------------|--|
| <b>Exposure Controls</b>          |  |
| Appropriate engineering controls: | Handle in accordance with good laboratory practices and safety procedures.               |
| 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:           | Wear in accordance with good laboratory practices and safety procedures.                 |

**9. Physical and Chemical Properties:**

**Information on basic physical and chemical properties**

|   |                   |
|---|-------------------|
| Physical State:                               | Liquid            |
| Appearance/color:                             | Clear             |
| Odor:   | No Data Available |
| Odor threshold:                               | No Data Available |
| pH:   | <2                |
| Melting point/freezing point:                 | No Data Available |
| Boiling point:                                | No Data Available |
| Flash point:                                  | No Data Available |
| Evaporation rate:                             | No Data Available |
| Flammability:                                 | No Data Available |
| Upper/lower flammability or explosive limits: | No Data Available |
| Vapor pressure:                               | No Data Available |
| Vapor density:                                | No Data Available |
| Relative density:                             | No Data Available |
| Solubility(ies):                              | No Data Available |
| Partition coefficient:                        | No Data Available |
| Auto-ignition temperature:                    | No Data Available |
| Decomposition temperature:                    | No Data Available |
| Viscosity:                                    | No Data Available |
| <b>Other information:</b>                     | No Data Available |

**10. Stability and Reactivity:**

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

**11. Toxicological Information:**

**Information on toxicological effects**

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

**12. Ecological Information:**

|                                |                   |
|--------------------------------|-------------------|
| Ecotoxicity:                   | No Data Available |
| Persistence and degradability: | No Data Available |
| Bioaccumulative potential:     | No Data Available |
| Mobility in soil:              | No Data Available |
| Other adverse effects:         | No Data Available |

**13. Disposal Information:**

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



**14. Transport Information:**

| In accordance with IATA Regulations |                   |
|-------------------------------------|-------------------|
| UN number                           | UN1789            |
| UN proper shipping name             | Hydrochloric Acid |
| Department of Transportation (DOT)  |                   |
| Hazard Classes                      | 8                 |
| Hazard labels (DOT)                 | Corrosive         |
|                                     |                   |
| Packing group (DOT)                 | III               |
| Environmental hazards               | No Data Available |
| Transport in bulk                   | No Data Available |
| Special precautions                 | No Data Available |

**15. Regulatory Information:**

|  |                     |
|--|---------------------|
| SARA 311/312: Hazard categories for SARA   | Acute Health Hazard |
| Section 311/312 Reporting  |                     |
| Canadian WHMIS Classification  | No Data Available   |
| EU Classification (90/492/EE)  | No Data Available   |
| EU Risk and Safety Phrases   | No Data Available   |
| California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects). | None                |

**16. Other Information:**

|                  |            |
|------------------|------------|
| Preparation Date | 2015/04/24 |
|------------------|------------|

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