





SAFETY DATA SHEET (SDS)

Product Name:	Guinea Pig IgG ELISA
Catalog Number:	0801029
Product ID Number (CAS #):	Not Applicable.
Intended use of the product:	For research or further manufacturing only.
Manufacturer:	ZeptoMetrix Corporation 878 Main Street
Address:	Buffalo, New York 14202 United States of America
Telephone:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free)


Component Number	Component Description	Hazard Identifications
0701053	Anti-Guinea Pig IgG Microplate	None
0701055	Guinea Pig IgG Detector Antibody	None
0701054	Guinea Pig 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:	Guinea Pig IgG Standard 125 ng/mL
Catalog Number:	0701054
Product ID Number (CAS #):	Not Applicable.
Intended use of the product:	For research or further manufacturing only.
Manufacturer:	ZeptoMetrix Corporation 878 Main Street
Address:	Buffalo, New York 14202 United States of America
Telephone:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free)

2. Hazard(s) Identification:

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

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:

Description of first aid measures	
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.
Most important symptoms and effects, both acute and delayed	
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.
Indication of any immediate medical attention and special treatment needed: 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:	Handle in accordance with good laboratory practices and safety procedures.
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:

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:	Follow purchaser's safety program.
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.
Other information:	No Data Available.

10. Stability and Reactivity:

Reactivity:	No Data Available.
Chemical stability:	The 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:

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.
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14. Transport Information:

UN number	Not Regulated.
UN proper shipping name	Not Regulated.
Hazard Class	Not Applicable.
Packing group	Not Applicable.
Environmental hazards	Not Applicable.
Transport in bulk (According to MARPOL 73/78 and IBC Code)	Not Applicable.
Special precautions	None.

15. Regulatory Information:

SARA 311/312:	Not listed.
Canadian WHMIS Classification:	No Information Available.
EU Classification (90/492/EE):	This product complies with or is exempted from the registration process.
EU Risk and Safety Phrases:	This product complies with or is exempted from the registration process.
California Proposition 65:	This product does not contain chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

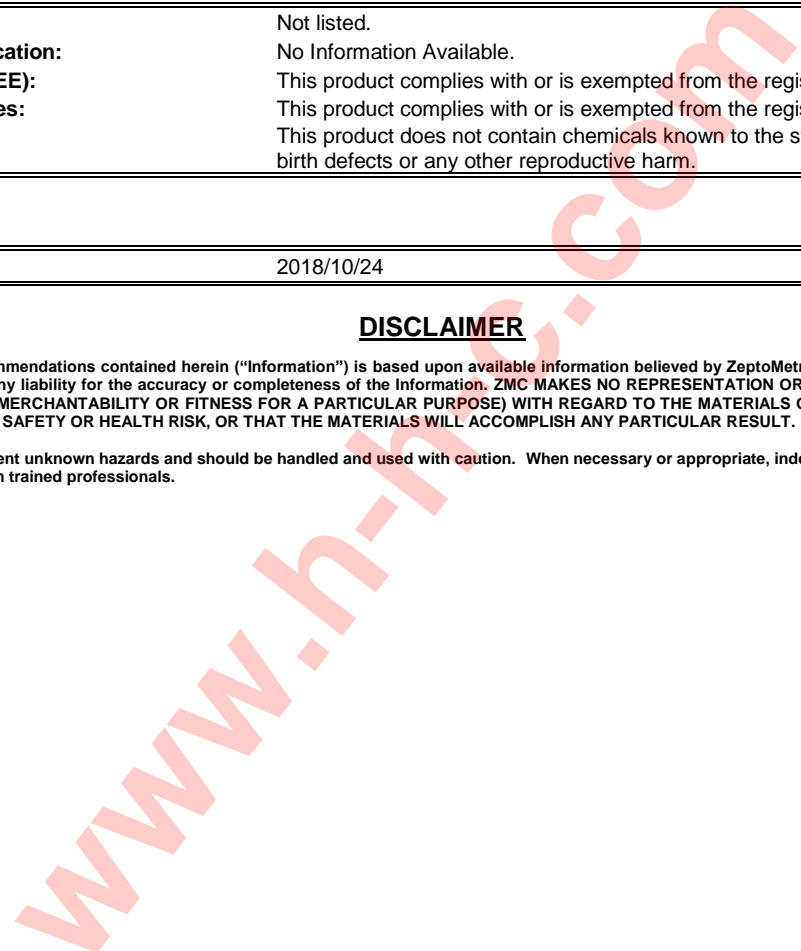
16. Other Information:

Preparation Date	2018/10/24
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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:

Product Name:	Assay Diluent
Catalog Number:	0705009
Product ID Number (CAS #):	Not Applicable.
Intended use of the product:	For research or further manufacturing only.
Manufacturer:	ZeptoMetrix Corporation 878 Main Street Buffalo, New York 14202 United States of America
Address:	
Telephone:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free)

2. Hazard(s) Identification:

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

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:

Description of first aid measures	
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.
Most important symptoms and effects, both acute and delayed	
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.
Indication of any immediate medical attention and special treatment needed: 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:	Handle in accordance with good laboratory practices and safety procedures.
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:

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:	Follow purchaser's safety program.
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.
Other information:	No Data Available.

10. Stability and Reactivity:

Reactivity:	No Data Available.
Chemical stability:	The 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:

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.
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14. Transport Information:

UN number	Not Regulated.
UN proper shipping name	Not Regulated.
Hazard Class	Not Applicable.
Packing group	Not Applicable.
Environmental hazards	Not Applicable.
Transport in bulk (According to MARPOL 73/78 and IBC Code)	Not Applicable.
Special precautions	None.

15. Regulatory Information:

SARA 311/312:	Not Listed.
Canadian WHMIS Classification:	No Information Available.
EU Classification (90/492/EE):	This product complies with or is exempted from the registration process.
EU Risk and Safety Phrases:	This product complies with or is exempted from the registration process.
California Proposition 65:	This product does not contain chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

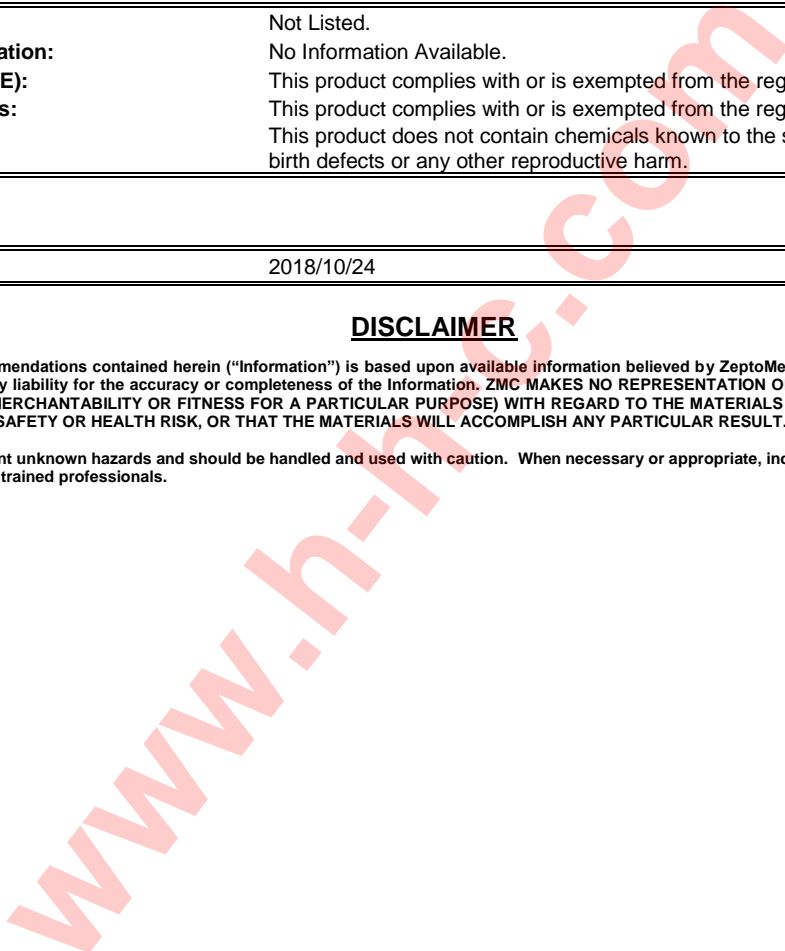
16. Other Information:

Preparation Date	2018/10/24
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SAFETY DATA SHEET (SDS)

1. Product Identification:

Product Name:	10X Plate Wash Buffer
Catalog Number:	0707002
Product ID Number (CAS #):	Not Applicable.
Intended use of the product:	For research or further manufacturing only.
Manufacturer:	ZeptoMetrix Corporation 878 Main Street Buffalo, New York 14202 United States of America
Address:	
Telephone:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free)

2. Hazard(s) Identification:

Classification:	Irritant
Hazard Pictograms	
Signal word:	Warning
Hazard statements:	May cause skin irritation
Precautionary statement:	Wash hands thoroughly after handling
Other hazards:	No Data Available
Unknown acute toxicity:	No unknown acute toxicity

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:

<u>Description of first aid measures</u>	
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.
<u>Most important symptoms and effects, both acute and delayed</u>	
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.
Indication of any immediate medical attention and special treatment needed: 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:	Handle in accordance with good laboratory practices and safety procedures.
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:

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:	Follow purchaser's safety program.
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.
Other information:	No Data Available.

10. Stability and Reactivity:

Reactivity:	No Data Available.
Chemical stability:	The 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:

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.
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14. Transport Information:

UN number	Not Regulated.
UN proper shipping name	Not Regulated.
Hazard Class	Not Applicable.
Packing group	Not Applicable.
Environmental hazards	Not Applicable.
Transport in bulk (According to MARPOL 73/78 and IBC Code)	Not Applicable.
Special precautions	None.

15. Regulatory Information:

SARA 311/312:	Not Listed.
Canadian WHMIS Classification:	No Information Available.
EU Classification (90/492/EE):	This product complies with or is exempted from the registration process.
EU Risk and Safety Phrases:	This product complies with or is exempted from the registration process.
California Proposition 65:	This product does not contain chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

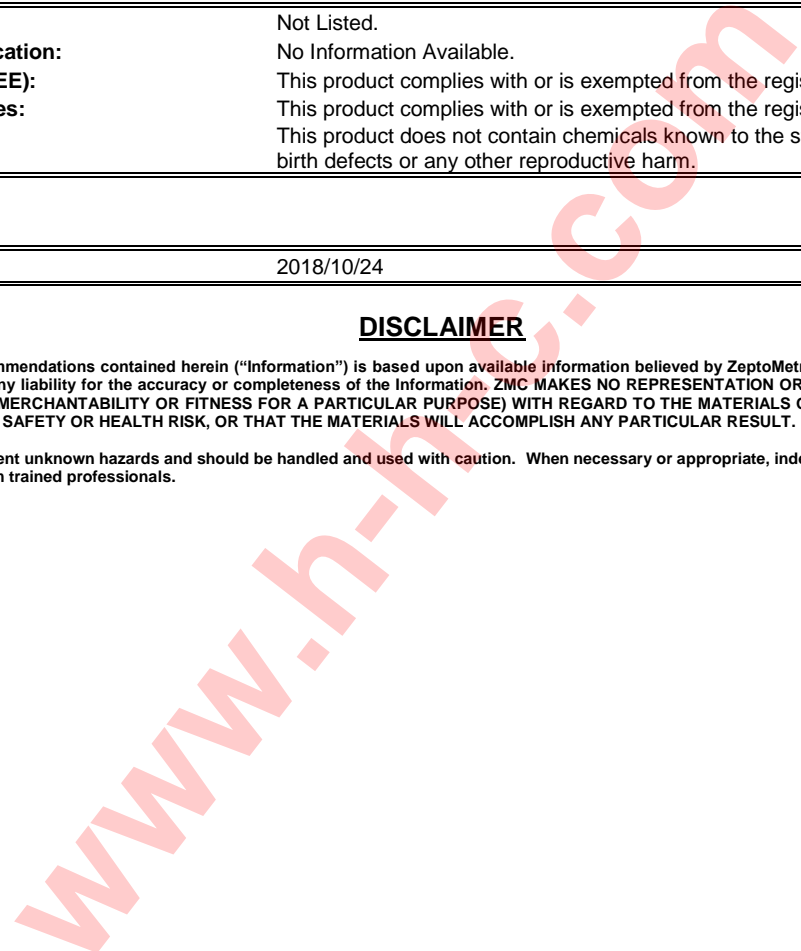
16. Other Information:

Preparation Date	2018/10/24
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SAFETY DATA SHEET (SDS)

1. Product Identification:

Product Name:	Stop Solution
Catalog Number:	0708003
Product ID Number (CAS #):	Not Applicable.
Intended use of the product:	For research or further manufacturing only.
Manufacturer:	ZeptoMetrix Corporation 878 Main Street Buffalo, New York 14202 United States of America
Address:	
Telephone:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free)

2. Hazard(s) Identification:

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

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:

Description of first aid measures	
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.
Most important symptoms and effects, both acute and delayed	
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.
Indication of any immediate medical attention and special treatment needed: 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:	Handle in accordance with good laboratory practices and safety procedures.
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:

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:	Follow purchaser's safety program.
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.
Other information:	No Data Available.

10. Stability and Reactivity:

Reactivity:	No Data Available.
Chemical stability:	The 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:

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.
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14. Transport Information:

UN number	UN1789, Dangerous good in excepted quantity 30mL per inner, 500mL per outer packaging.
UN proper shipping name	Hydrochloric Acid.
Hazard Class	8.
Packing group	II.
Environmental hazards	No Data Available.
Transport in bulk (According to MARPOL 73/78 and IBC Code)	Not Applicable.
Special precautions	None.

15. Regulatory Information:

SARA 311/312:	Acute Health Hazard.
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 does not contain chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

16. Other Information:

Preparation Date	2018/10/24
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