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InstantGold Cap SDS	Released by		Page	1 of 3
			Date	02/07/19

SDS Issue Date: February 7, 2019

Section 1 - Identification

Product Name	InstantGold Cap
Recommended Use	Component of MedMira Rapid Tests
Restrictions on Use	It is intended for use only by persons having the necessary technical skill and at their own discretion and risk.
Manufacturer Contact Information	MedMira Laboratories Inc. 155 Chain Lake Drive, Halifax, NS, Canada, B3S 1B3 Tel: 1 902 450 1588 Fax: 1 902 450 1580

Section 2 - Hazards Identification

Overview	
Signal Word	None
Hazard Statement(s)	None
Pictogram(s)	None
Precautionary Statement(s)	None
Hazards not otherwise classified	None

Regulation	Hazard Classification
WHMIS	Controlled chemical ingredients are present at concentrations lower than specified on the Ingredients Disclosure List.
GHS	Not classified as a dangerous mixture according to Globally Harmonized Standard.
OSHA	Not classified as hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Section 3 - Composition/Information on Ingredients

Component	CAS No.	Composition
Polypropylene	9003-07-0	~ 95%
Glass Fiber Filter Paper	N/A	~ 5%
Colloid Gold conjugated to protein	N/A	< 1%

Section 4 - First Aid Measures

Chemical Contact	Instructions
Eye Contact	Remove contact lenses, if applicable. Flush contaminated eye(s) for at least 15 minutes with running lukewarm water. Always seek medical attention for incidents involving eyes.
Skin Contact	Immediately flush the skin with lukewarm water for at least 15 minutes. Remove contaminated clothing and wash before use. Seek medical attention if irritation persists.
Inhalation	Move to fresh air or well-ventilated area. Seek medical attention if irritation or laboured breathing is observed.
Ingestion	Wash out mouth with water provided person is conscious. Seek medical attention.

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Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	Use dry chemical, sand, earth, regular foam or water to extinguish fire.
Unsuitable Extinguishing Media	No information available
Hazards from Combustion Products	Avoid inhalation of the material or combustion by-products.
Products of Combustion	Not Available
Fire/Explosion Hazards in Presence of Various Substances	Not Applicable
Special Remarks on Fire/Explosion Hazards	Not available

Section 6 - Accidental Release Measures

Personal Precautions	Use appropriate personal protective equipment
Methods for Containment and Clean Up	If unused, collect InstantGold Caps using appropriate personal protective equipment. If used, collect according to biohazardous waste procedures.

Section 7 - Handling and Storage

Handling	Wear gloves, eye protection and laboratory coat when handling InstantGold Caps.
Storage	Store at 2 - 30°C. Keep dry and out of direct sunlight.
Chemical Incompatibilities	Ammonia and ammonia salts. Chlorine and strong oxidants attack polypropylene made products.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Access to safety shower and eye wash station. Ventilation not required for safe handling.
Skin Protection	Wear protective gloves and laboratory coat.
Eye protection	Wear appropriate eye protection.
Exposure Limits	No Data available
LD ₅₀ , LC ₅₀	Not available

Section 9 - Physical and Chemical Properties

Appearance	Solid plastic cap housing rose pink coloured filter.
Odor	Odorless
Odour Threshold	Not Applicable
pH	Not Applicable
Melting Point	Data not available
Freezing Point	Not Applicable
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	May be flammable
Upper/Lower Flammable Limits	Not Available
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Relative Density	Not Applicable
Solubility	Filter paper contains dried solutes that are soluble in water. Plastic casing is soluble in hot chlorinated organic solvents.
Coefficient of water: oil distribution	Not Applicable
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Data not available
Viscosity	Data not available

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Section 10 - Stability and Reactivity

Stability	Stable
Conditions to avoid	High heat. High humidity.
Hazardous decomposition products	Chlorine and Hydrochloric acid.
Hazardous polymerization	Not applicable.

Section 11 - Toxicological Information

Potential Routes of Entry	Ingestion, inhalation, contact with skin and eyes.
Acute/Chronic Exposure Effects	Data not available.
Exposure Limits	Data not available
Irritancy	Data not available
LD ₅₀ /LC ₅₀	Data not available
Carcinogenicity	Data not available
Teratogenicity	Data not available
Reproductive Effects	Data not available
Neurotoxicity	Data not available
Mutagenicity	Data not available
Toxicologically synergistic products	Data not available

Section 12 - Ecological Information

Ecological Information	Not biodegradable. Further data not available.
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Section 13 - Disposal Considerations

Waste Disposal Methods	Follow all federal, state and local regulations for disposal.
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Section 14 - Transport Information

Transport Information	InstantGold Caps are not hazardous for transport.
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Section 15 - Regulatory Information

Regulatory Information	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
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Section 16 - Other Information

Preparation Date	February 7, 2019
Last Revision	December 11, 2015
Prepared by	Quality Unit, MedMira Laboratories Inc.
Contact Person	support@medmira.com or 1 877 MEDMIRA

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Universal Buffer SDS	Released by		Page	1 of 4
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SDS Issue Date: February 4, 2019

Section 1 - Identification

Product Name	Universal Buffer
Recommended Use	Component of MedMira Rapid Tests
Restrictions on Use	It is intended for use only by persons having the necessary technical skill and at their own discretion and risk.
Manufacturer Contact Information	MedMira Laboratories Inc. 155 Chain Lake Drive, Halifax, NS, Canada, B3S 1B3 Tel: 1 902 450 1588 Fax: 1 902 450 1580

Section 2 - Hazard(s) Identification

Overview	
Signal Word	None
Hazard Statement(s)	None
Pictogram(s)	None
Precautionary Statement(s)	None
Hazards not otherwise classified	None

Regulation	Hazard Classification
WHMIS	Controlled chemical ingredients are present at concentrations lower than specified on the Ingredients Disclosure List.
GHS	Not classified as a dangerous mixture according to the Globally Harmonized Standard
OSHA	Not classified as hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Section 3 - Composition/Information on Ingredients

Component	CAS No.	Composition
Ethylenediaminetetraacetic acid (EDTA)	10378-23-1	2.15%
Proclin 950 (9.5% 2-Methyl-2H-isothiazol-3-one solution)	2682-20-4	0.05%
Igepal CA-630 (Octylphenoxy polyoxyethanol)	9036-19-5	0.5%
Sodium dodecyl sulfate	151-21-3	0.6%
Tris-Hydrochloride	1185-53-1	0.218%
Sodium Chloride	7647-14-5	0.342%
Tween - 20	9005-64-5	0.15%
Triton X-100	9002-93-1	0.29%

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Section 4 - First Aid Measures

Chemical Contact	Instructions
Eye Contact	Remove contact lenses, if applicable. Immediately flush contaminated eye(s) for at least 15 minutes with running lukewarm water. Always seek medical attention for incidents involving eyes.
Skin Contact	Immediately flush the skin with lukewarm water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.
Inhalation	Move to fresh air or well-ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
Ingestion	Wash material from mouth with water provided person is conscious. Seek medical attention.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical powder or appropriate form.
Unsuitable Extinguishing Media	No information available
Hazards from Combustion Products	Wear self-contained breathing apparatus and appropriate clothing to prevent contact with skin and eyes.
Products of Combustion	Emits toxic fumes under fire conditions.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Personal Precautions	Use appropriate personal protective equipment
Methods for Containment and Cleanup	Soak up with inert absorbent material and dispose as chemical waste. Observe all federal, state and local environmental regulations.

Section 7 - Handling and Storage

Handling	Wear gloves, safety glasses, and laboratory coat when handling Universal Buffer.
Storage	Store at 2 - 30°C.
Chemical Incompatibilities	Avoid strong oxidizing agents, strong acids, mercaptans.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Access to safety shower and eye wash station. General ventilation not required for safe handling.		
Skin Protection	Wear gloves and laboratory coat.		
Eye protection	Wear eye protection.		
Exposure Limits	No Data available		
Component	Composition	LD ₅₀	LC ₅₀
Ethylenediaminetetraacetic acid (EDTA)	2.15%	1260 mg/kg (oral, rat)	N/A
Proclin 950 (9.5% 2-Methyl-2H-isothiazol-3-one solution)	0.05%	2834 mg/kg (oral, rat, male) 1091 mg/kg (oral, rat, female) >5000 mg/kg (dermal, rat)	N/A
Igepal CA-630 (Octylphenoxy polyxyethanol)	0.5%	1800 mg/kg (oral, rat) 8000 mg/kg (dermal, rabbit)	N/A
Sodium dodecyl sulfate	0.6%	1200 mg/kg (oral, rat)	>3900 mg/m ³ (inhalation, rat)

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Tris-Hydrochloride	0.218%	>3000 mg/kg (oral, rat) >5000 mg/kg (dermal, rat)	N/A
Sodium Chloride	0.342%	3000 mg/kg (oral, rat)	42 mg/m3 (inhalation, rat)
Tween - 20	0.15%	40 554 mg/kg	N/A
Triton X-100	0.29%	1800 mg/kg (oral, rat) 8000 mg/kg (dermal, rabbit)	N/A

Section 9 - Physical and Chemical Properties

Appearance	Clear liquid with slight yellowish tint
Odor	Slight odour
Odor Threshold	Not Applicable
pH	9.70-9.95
Melting Point	Not Applicable
Freezing Point	~ 0°C
Boiling Point	~ 100°C
Flash Point	Not Applicable
Evaporation Rate	Data not available
Flammability	Not Flammable
Upper/Lower Flammable Limits	Data not available
Vapour Pressure	Data not available
Vapour Density	Data not available
Relative Density (H ₂ O = 1)	~ 1.0
Solubility	Soluble in water
Coefficient of water: oil distribution	Data not available
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Data not available
Viscosity	Data not available

Section 10 - Stability and Reactivity

Stability	Stable
Conditions to avoid	None
Hazardous decomposition products	Toxic fumes of: carbon monoxide, carbon dioxide, nitrogen oxides.
Hazardous polymerization	Will not occur.

Section 11 - Toxicological Information

Potential Routes of Entry	Ingestion, inhalation, contact with skin and eyes
Acute/Chronic Exposure Effects	Causes eye and skin irritation. Material may be irritating to mucous membranes and upper respiratory tract.
Exposure Limits	Data not available
Irritancy	Data not available
LD ₅₀ /LC ₅₀	Data not available
Carcinogenicity	Data not available
Teratogenicity	Data not available
Reproductive Effects	Data not available
Neurotoxicity	Data not available
Mutagenicity	Data not available
Toxicologically synergistic products	Data not available

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Section 12 - Ecological Information

Toxicity	Data not available
Persistence and degradability	Data not available
Bioaccumulative potential	Data not available

Section 13 - Disposal Considerations

Waste Disposal Methods	Rinse down the drain with copious amounts of water. Observe all federal, state and local environmental regulations.
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Section 14 - Transport Information

Transport Information	Universal Buffer is not hazardous for transport.
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Section 15 - Regulatory Information

Regulatory Information	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
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Section 16 - Other Information

Preparation Date	February 4, 2019
Last Revision	December 11, 2015
Prepared by	Quality Unit, MedMira Laboratories Inc.
Contact Person	support@medmira.com or 1 877 MEDMIRA

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Test Cartridge SDS	Released by		Page	1 of 3
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SDS Issue Date: February 4, 2019

Section 1 - Identification

Product Name	Test Cartridge
Recommended Use	Component of MedMira Rapid Tests
Restrictions on Use	Intended for use only by persons having the necessary technical skill and at their own discretion and risk.
Manufacturer Contact Information	MedMira Laboratories Inc. 155 Chain Lake Drive, Halifax, NS, Canada, B3S 1B3 Tel: 1 902 450 1588 Fax: 1 902 450 1580

Section 2 - Hazard Identification

Overview	
Signal Word	None
Hazard Statement(s)	None
Pictogram(s)	None
Precautionary Statement(s)	None
Hazards not otherwise classified	None

Regulation	Hazard Classification
WHMIS	Controlled chemical ingredients are present at concentrations lower than specified on the Ingredients Disclosure List.
GHS	Not classified as a dangerous mixture according to the Globally Harmonized Standard
OSHA	Not classified as hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Section 3 - Composition/Information on Ingredients

Component	CAS No.	Composition
Polystyrene	9003-53-6	<70%
Nitrocellulose	9004-70-0	<30%

Section 4 - First Aid Measures

Chemical Contact	Instructions
Eye Contact	Remove contact lenses, if applicable. Flush contaminated eye(s) for at least 15 minutes with running lukewarm water. Always seek medical attention for incidents involving eyes.
Skin Contact	Immediately flush the skin with lukewarm water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.
Inhalation	N/A
Ingestion	Wash material from mouth with water provided person is conscious. Seek medical attention.

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Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	Use dry chemical, sand, earth, regular foam extinguisher, or water to extinguish fire.
Unsuitable Extinguishing Media	No information available
Hazards from Combustion Products	Avoid inhalation of the material or combustion by-products.
Products of Combustion	Not Available
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Special Remarks on Fire/Explosion Hazards	Not available

Section 6 - Accidental Release Measures

Personal Precautions	Use appropriate personal protective equipment
Methods for Containment and Clean Up	If unused, collect test cartridges using appropriate personal protective equipment. If used, collect according to biohazardous waste procedures.

Section 7 - Handling and Storage

Handling	Wear gloves, eye protection and laboratory coat when handling test cartridges.
Storage	Store at 2 - 30°C. Keep dry and out of direct sunlight.
Chemical Incompatibilities	Not Applicable

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Access to safety shower and eye wash station. MedMira recommends that the test cartridge be used in a biological safety cabinet due to the use of blood products. Ventilation not required for safe handling
Skin Protection	Wear protective gloves and laboratory coat.
Eye protection	Wear appropriate eye protection.
Exposure Limits	No Data available
LD ₅₀ , LC ₅₀	Not available

Section 9 - Physical and Chemical Properties

Appearance	Solid white plastic tray with enclosed white membrane.
Odor	Odorless
Odour Threshold	Not Applicable
pH	Not Applicable
Melting Point	Data not available
Freezing Point	Not Applicable
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Data not available
Flammability	May be flammable
Upper/Lower Flammable Limits	Data not available
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Relative Density	Not Applicable
Solubility	Data not available
Coefficient of water: oil distribution	Not Applicable
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Data not available
Viscosity	Data not available

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Section 10 - Stability and Reactivity

Stability	Stable under proper storage conditions
Conditions to avoid	High heat. High humidity. Sources of ignition.
Hazardous decomposition products	Data not available
Hazardous polymerization	Data not available

Section 11 - Toxicological Information

Potential Routes of Entry	Contact of membrane with skin and eyes.
Acute/Chronic Exposure Effects	Data not available
Exposure Limits	Data not available
Irritancy	Data not available
LD ₅₀ /LC ₅₀	Data not available
Carcinogenicity	Data not available
Teratogenicity	Data not available
Reproductive Effects	Data not available
Neurotoxicity	Data not available
Mutagenicity	Data not available
Toxicologically synergistic products	Data not available

Section 12 - Ecological Information

Ecological Information	Not biodegradable. Further data not available.
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Section 13 - Disposal Considerations

Waste Disposal Methods	Follow all federal, state and local regulations for disposal. MedMira recommends that the test cartridge be autoclaved and/or incinerated after contact with blood products.
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Section 14 - Transport Information

Transport Information	Test cartridges are not hazardous for transport.
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Section 15 - Regulatory Information

Regulatory Information	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
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Section 16 - Other Information

Preparation Date	February 4, 2019
Last Revision	December 11, 2015
Prepared by	Quality Unit, MedMira Laboratories Inc.
Contact Person	support@medmira.com or 1 877 MEDMIRA

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HIV Negative Test Controls SDS	Released by		Page	1 of 4
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SDS Issue Date: February 11, 2019

Section 1 - Identification

Product Name	HIV Negative Test Controls
Recommended Use	Accessory to MedMira Rapid Tests
Restrictions on Use	It is intended for use only by persons having the necessary technical skill and at their own discretion and risk.
Manufacturer Contact Information	MedMira Laboratories Inc. 155 Chain Lake Drive, Halifax, NS, Canada, B3S 1B3 Tel: 1 902 450 1588 Fax: 1 902 450 1580

Section 2 - Hazards Identification

Overview	
Signal Word	None
Hazard Statement(s)	None
Pictogram(s)	None
Precautionary Statement(s)	None
Hazards not otherwise classified	None

Regulation	Hazard Classification
WHMIS	Controlled chemical ingredients are present at concentrations lower than specified on the Ingredients Disclosure List
GHS	Not classified as a dangerous mixture according to the Globally Harmonized Standard
OSHA	Not classified as hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Section 3 - Composition/Information on Ingredients

Component	CAS No.	Composition
Human serum/plasma*	N/A	<75%
Sucrose	57-50-1	<10%
Sodium chloride	7647-14-5	<10%
Potassium Chloride	7447-40-7	<5%
Potassium Monophosphate	7778-77-0	<5%
Disodium phosphate	7558-79-4	<5%

*The human serum/plasma is non-reactive for Hepatitis B Virus Surface Antigen (HBsAg), Human Immunodeficiency Virus Antibody (anti-HIV), and Hepatitis C Virus Antibody (anti-HCV).

Section 4 - First Aid Measures

Chemical Contact	Instructions
Eye Contact	Remove contact lenses, if applicable. Flush contaminated eye(s) for at least 15 minutes with running lukewarm water. Take care not to rinse contaminated water in non-affected eye. Always seek medical attention for incidents involving eyes.
Skin Contact	Immediately flush the skin with lukewarm water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.
Inhalation	Move to fresh air or well-ventilated area. Seek medical attention if irritation or laboured breathing is observed.
Ingestion	Wash material from mouth with water provided person is conscious. Seek medical attention.

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Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	Use an extinguisher appropriate to the surrounding area that is burning. Use dry chemical, sand, earth, regular foam, or water to extinguish fire.
Unsuitable Extinguishing Media	No information available
Hazards from Combustion Products	Avoid inhalation of the material or combustion by-products.
Products of Combustion	Not Available
Special Remarks on Fire/Explosion Hazards	Not Available
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Personal Precautions	Use appropriate personal protective equipment
Methods for Containment and Clean Up	Treat releases and spills according to biohazardous waste procedures.

Section 7 - Handling and Storage

Handling	Wear gloves, eye protection and laboratory coat when handling test controls.
Storage	Store at 2 - 30°C. Keep dry and out of direct sunlight.
Chemical Incompatibilities	Protect from moisture, strong acids, strong bases, strong oxidizing agents, organic materials, metals

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Access to safety shower and eye wash station. Ventilation not required for safe handling.		
Skin Protection	Wear protective gloves and laboratory coat.		
Eye protection	Wear appropriate eye protection.		
Exposure Limits	No Data available		
Component	Composition	LD₅₀	LC₅₀
Human serum/plasma*	<75%	Data not available	Data not available
Sucrose	<10%	29 700 mg/kg (oral, rat)	Data not available
Sodium chloride	<10%	3000 mg/kg (oral, rat)	>42 000 mg/m ³ (rat)
Potassium Chloride	<5%	Data not available	Data not available
Potassium Monophosphate	<5%	>2000mg/kg (oral,rat) >4640mg/kg (dermal ,rabbit)	Data not available
Disodium phosphate	<5%	17 000mg/kg	Data not available
*The human serum/plasma is non-reactive for Hepatitis B Virus Surface Antigen (HBsAg), Human Immunodeficiency Virus Antibody (anti-HIV), and Hepatitis C Virus Antibody (anti-HCV). However, as no test method can offer complete assurance as to the absence of infectious agents, this material should be handled as though capable of transmitting infectious disease and disposed of accordingly.			

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Section 9 - Physical and Chemical Properties

Appearance	White to pale yellow solid pellet/cake. Clear to pale yellow solution when reconstituted.
Odor	Odorless
Odour Threshold	Not Applicable
pH	Data not available
Melting Point	Data not available
Freezing Point	Not Applicable
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	Not Flammable
Upper/Lower Flammable Limits	Not Available
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Relative Density	Not Applicable
Solubility	Soluble in water
Coefficient of water: oil distribution	Data not available
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Data not available
Viscosity	Data not available

Section 10 - Stability and Reactivity

Stability	Stable
Conditions to avoid	High heat. High humidity
Hazardous decomposition products	Potassium oxides, hydrogen chloride gas
Hazardous polymerization	Will not occur

Section 11 - Toxicological Information

Potential Routes of Entry	Ingestion, inhalation, contact with skin and eyes
Acute/Chronic Exposure Effects	Data not available
Exposure Limits	Data not available
Irritancy	Data not available
LD ₅₀ /LC ₅₀	Data not available
Carcinogenicity	Data not available
Teratogenicity	Data not available
Reproductive Effects	Data not available
Neurotoxicity	Data not available
Mutagenicity	Data not available
Toxicologically synergistic products	Data not available

Section 12 - Ecological Information

Ecological Information	Handle and dispose according to biohazardous waste requirements.
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Section 13 - Disposal Considerations

Waste Disposal Methods	Dispose according to biohazardous waste requirements.
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Section 14 - Transport Information

Transport Information	Test controls are not hazardous for transport.
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Section 15 - Regulatory Information

Regulatory Information	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
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Section 16 - Other Information

Preparation Date	February 11, 2019
Last Revision	December 11, 2015
Prepared by	Quality Unit, MedMira Laboratories Inc.
Contact Person	support@medmira.com or 1 877 MEDMIRA

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SDS Issue Date: February 4, 2019

Section 1 - Identification

Product Name	HIV Positive Test Controls
Recommended Use	Accessory to MedMira Rapid Tests
Restrictions on Use	Intended for use only by persons having the necessary technical skill and at their own discretion and risk.
Manufacturer Contact Information	MedMira Laboratories Inc. 155 Chain Lake Drive, Halifax, NS, Canada, B3S 1B3 Tel: 1 902 450 1588 Fax: 1 902 450 1580

Section 2 - Hazard Identification

Overview	
Signal Word	None
Hazard Statement(s)	None
Pictogram(s)	None
Precautionary Statement(s)	None
Hazards not otherwise classified	None

Regulation	Hazard Classification
WHMIS	Controlled chemical ingredients are present at concentrations lower than specified on the Ingredients Disclosure List
GHS	Not classified as a dangerous mixture according to the Globally Harmonized Standard
OSHA	Not classified as hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Section 3 - Composition/Information on Ingredients

Component	CAS No.	Composition
Human serum/plasma*	N/A	<75%
Sucrose	57-50-1	<10%
Sodium chloride	7647-14-5	<10%
Potassium Chloride	7447-40-7	<5%
Potassium Monophosphate	7778-77-0	<5%
Disodium phosphate	7558-79-4	<5%

*The human serum/plasma is reactive for Human Immunodeficiency Virus Antibody (anti-HIV). The human serum/plasma is non-reactive for Hepatitis B Virus Surface Antigen (HBsAg) and Hepatitis C Virus Antibody (anti-HCV).

Section 4 - First Aid Measures

Chemical Contact	Instructions
Eye Contact	Remove contact lenses, if applicable. Flush contaminated eye(s) for at least 15 minutes with running lukewarm water. Take care not to rinse contaminated water in non-affected eye. Always seek medical attention for incidents involving eyes.
Skin Contact	Immediately flush the skin with lukewarm water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.
Inhalation	Move to fresh air or well-ventilated area. Seek medical attention if irritation or laboured breathing is observed.
Ingestion	Wash material from mouth with water provided person is conscious. Seek medical attention.

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Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	Use an extinguisher appropriate to the surrounding area that is burning. Use dry chemical, sand, earth, regular foam, or water to extinguish fire. Avoid inhalation of the material or combustion by-products.
Unsuitable Extinguishing Media	No Information available
Hazards from Combustion Products	Avoid inhalation of the material or combustion by-products
Products of Combustion	Not Available
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Personal Precautions	Use appropriate personal protective equipment
Methods for Containment and Clean Up	Treat releases and spills according to biohazardous waste procedures

Section 7 - Handling and Storage

Handling	Wear gloves, eye protection and laboratory coat when handling test controls.
Storage	Store at 2 - 30°C. Keep dry and out of direct sunlight.
Chemical Incompatibilities	Protect from moisture, strong acids, strong bases, strong oxidizing agents, organic materials, metals

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Access to safety shower and eye wash station. Ventilation not required for safe handling		
Skin Protection	Wear protective gloves and laboratory coat.		
Eye protection	Wear appropriate eye protection.		
Exposure Limits	No data available		
Component	Composition	LD₅₀	LC₅₀
Human serum/plasma*	<75%	Data not available	Data not available
Sucrose	<10%	29 700 mg/kg (oral, rat)	Data not available
Sodium chloride	<10%	3000 mg/kg (oral, rat)	>42 000 mg/m ³ (rat)
Potassium Chloride	<5%	Data not available	Data not available
Potassium Monophosphate	<5%	>2000mg/kg (oral,rat) >4640mg/kg (dermal ,rabbit)	Data not available
Disodium phosphate	<5%	17 000mg/kg	Data not available

*The human serum/plasma is reactive for Human Immunodeficiency Virus Antibody (anti-HIV). The human serum/plasma is non-reactive for Hepatitis B Virus Surface Antigen (HBsAg) and Hepatitis C Virus Antibody (anti-HCV). The serum/plasma was inactivated using established heat treatment methods. However, as no test method can offer complete assurance as to the absence of infectious agents, this material should be handled as though capable of transmitting infectious disease and disposed of accordingly.

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Section 9 - Physical and Chemical Properties

Appearance	White to pale yellow solid pellet/cake. Clear to pale yellow solution when reconstituted.
Odor	Odorless
Odour Threshold	Not applicable
pH	Not Available
Melting Point	Not Available
Freezing Point	Not Applicable
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	Not Flammable
Upper/Lower Flammable Limits	Not Available
Vapour Pressure	Not Available
Vapour Density	Not Applicable
Relative Density	Not Applicable
Solubility	Soluble in water
Coefficient of water: oil distribution	Not Available
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	Not Available

Section 10 - Stability and Reactivity

Stability	Stable under proper storage conditions
Conditions to avoid	High heat. High humidity
Hazardous decomposition products	Potassium oxides, hydrogen chloride gas
Hazardous polymerization	Will not occur

Section 11 - Toxicological Information

Potential Routes of Entry	Ingestion, inhalation, contact with skin and eyes
Acute/Chronic Exposure Effects	Data not available
Exposure Limits	Data not available
Irritancy	Data not available
LD ₅₀ /LC ₅₀	Data not available
Carcinogenicity	Data not available
Teratogenicity	Data not available
Reproductive Effects	Data not available
Neurotoxicity	Data not available
Mutagenicity	Data not available
Toxicologically synergistic products	Data not available

Section 12 - Ecological Information

Ecological Information	Handle and dispose according to biohazardous waste requirements.
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Section 13 - Disposal Considerations

Waste Disposal Methods	Dispose according to biohazardous waste requirements.
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Section 14 - Transport Information

Transport Information	Test controls are not hazardous for transport.
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Section 15 - Regulatory Information

Regulatory Information	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
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Section 16 - Other Information

Preparation Date	February 4, 2019
Last Revision	December 11, 2015
Prepared by	Quality Unit, MedMira Laboratories Inc.
Contact Person	support@medmira.com or 1 877 MEDMIRA

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