Section 1

Chemical Product and Company Identification

Page E1 of E2 CHEMTREC 24 Hour Emergency USA

Innovating Science[®] by Aldon Corporation

"cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

Product SIMULATED BLOOD, TYPE A+	
Synonyms Simulated Blood, Type A Positive / Crime Scene: Blood Evidence	
Section 2 Hazards Identification	
Signal word: WARNING Pictograms: GHS07 Target organs: Blood	Precautionary statement(s): P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P362+P364: Take off contaminated clothing and wash it before reuse. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P312: Call a POISON CENTER or doctor if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Inform	n 3 Composition / Information on Ingredients				
Chemical Name	CAS #	%	EINECS		
Water Aluminum nitrate, nonahydrate Non-hazardous proprietary ingredients	7732-18-5 7784-27-2 Undisclosed	90.1% 9.3% 0.6%	231-791-2 236-751-8 (anhydrous CAS # 13473-90-0) Undisclosed		
Section 4 First Aid Measures					

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection				
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)	
Exposure Linits.	Aluminum nitrate	None established	None established	None established	

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9					
Occuron o	Physical & Chemical Pro	perties			
pH: Data not a Melting / Freezing Boiling point: /	d: Data not available.	Evaporation rate (Water = 1): <1 Flammability (solid/gas): Data not Explosion limits: Lower / Upper: Vapor pressure (mm Hg): 14 (water Vapor density (Air = 1): 0.7 (water) Relative density (Specific gravity): App Solubility(ies): Complete in water.	Data not available er))	Decomposition temper Viscosity: Data not ava Molecular formula: Mi	t ure: Data not available rature: Data not available. ailable. xture
Section 10	Stability & Reactivity				
Chemical stabi Conditions to a	ility: Stable avoid: Excessive temperatures to c	Hazardous polymerization: ause evaporation.	Will not occur.		
Incompatible n	naterials: Reducing agents, organi	c materials.			
-	composition products: Nitrogen of				
Section 11	Toxicological Information	1			
Serious eye da Respiratory or Germ cell muta Carcinogenity: NTP: No comp IARC: No comp OSHA: No com Reproductive f STOT-single ex STOT-repeated	ponent of this product present at leve ponent of this product present at leve toxicity: Data not available xposure: Data not available d exposure: Data not available		ified as probable, pos	sible or confirmed human	carcinogen by IARC.
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Section 1

Chemical Product and Company Identification

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CHEMTREC 24 Hour Emergency USA

Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

SIMULATED BLOOD, TYPE A+ Product Synonyms Simulated Blood, Type A Positive / Suspect 4: Blood Evidence Section 2 **Hazards Identification** Signal word: WARNING Precautionary statement(s): Pictograms: GHS07 P264: Wash hands thoroughly after handling. Target organs: Blood P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P362+P364: Take off contaminated clothing and wash it before reuse. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **GHS Classification:** P337+P313: If eye irritation persists: Get medical attention. Acute toxicity, oral (Category 5) P312: Call a POISON CENTER or doctor if you feel unwell. Skin irritation (Category 2) Eye irritation (Category 2A) GHS Label information: Hazard statement(s): H303: May be harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Information on Ingredients					
Chemical Name	CAS #	%	EINECS		
Water Aluminum nitrate, nonahydrate Non-hazardous proprietary ingredients	7732-18-5 7784-27-2 Undisclosed	90.1% 9.3% 0.6%	231-791-2 236-751-8 (anhydrous CAS # 13473-90-0) Undisclosed		
Section 4 First Aid Measures					

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INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection				
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)	
Exposure Linits.	Aluminum nitrate	None established	None established	None established	

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9					
Occuron o	Physical & Chemical Pro	perties			
pH: Data not a Melting / Freezing Boiling point: /	d: Data not available.	Evaporation rate (Water = 1): <1 Flammability (solid/gas): Data not Explosion limits: Lower / Upper: Vapor pressure (mm Hg): 14 (water Vapor density (Air = 1): 0.7 (water) Relative density (Specific gravity): App Solubility(ies): Complete in water.	Data not available er))	Decomposition tempe Viscosity: Data not ava Molecular formula: Mi	t ure: Data not available rature: Data not available. ailable. xture
Section 10	Stability & Reactivity				
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Incompatible n	naterials: Reducing agents, organi	c materials.			
-	composition products: Nitrogen of				
Section 11	Toxicological Information	1			
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221 Rochester Street Avon, NY 14414-9409

(585) 226-6177

Page E1 of E2

Section 1

Chemical Product and Company Identification

CHEMTREC 24 Hour Emergency USA

Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only.

Not for drug, food or household use.

Product SIMULATED BLOOD, TYPE A+	
Synonyms Simulated Blood, Type A Positive / Suspect 5: Blood Evidence	
Section 2 Hazards Identification	
Signal word: WARNING Pictograms: GHS07 Target organs: Blood GHS Classification: Acute toxicity, oral (Category 5) Skin irritation (Category 2) Eye irritation (Category 2A) GHS Label information: Hazard statement(s): H303: May be harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation.	Precautionary statement(s): P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P362+P364: Take off contaminated clothing and wash it before reuse. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P312: Call a POISON CENTER or doctor if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

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Section 3 Composition / Information on Ingredients					
Chemical Name	CAS #	%	EINECS		
Water Aluminum nitrate, nonahydrate Non-hazardous proprietary ingredients	7732-18-5 7784-27-2 Undisclosed	90.1% 9.3% 0.6%	231-791-2 236-751-8 (anhydrous CAS # 13473-90-0) Undisclosed		
Section 4 First Aid Measures					

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection				
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)	
Exposure Linits.	Aluminum nitrate	None established	None established	None established	

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9					
Occuron o	Physical & Chemical Pro	perties			
pH: Data not a Melting / Freezing Boiling point: /	d: Data not available.	Evaporation rate (Water = 1): <1 Flammability (solid/gas): Data not Explosion limits: Lower / Upper: Vapor pressure (mm Hg): 14 (water Vapor density (Air = 1): 0.7 (water) Relative density (Specific gravity): App Solubility(ies): Complete in water.	Data not available er))	Decomposition tempe Viscosity: Data not ava Molecular formula: Mi	t ure: Data not available rature: Data not available. ailable. xture
Section 10	Stability & Reactivity				
Chemical stabi Conditions to a	ility: Stable avoid: Excessive temperatures to c	Hazardous polymerization: ause evaporation.	Will not occur.		
Incompatible n	naterials: Reducing agents, organi	c materials.			
-	composition products: Nitrogen of				
Section 11	Toxicological Information	1			
Serious eye da Respiratory or Germ cell muta Carcinogenity: NTP: No comp IARC: No comp OSHA: No com Reproductive f STOT-single ex STOT-repeated	ponent of this product present at leve ponent of this product present at leve toxicity: Data not available xposure: Data not available d exposure: Data not available		ified as probable, pos	sible or confirmed human	carcinogen by IARC.
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Section 1

Chemical Product and Company Identification

Page E1 of E2 CHEMTREC 24 Hour Emergency USA

Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world).

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Product SIMULATED BLOOD, TYPE B-	
Synonyms Simulated Blood, Type B Negative / Suspect 1: Blood Evidence	
Section 2 Hazards Identification	
Signal word: WARNING Pictograms: GHS07 Target organs: Blood GHS Classification: Acute toxicity, oral (Category 5) Skin irritation (Category 2) Eye irritation (Category 2) Eye irritation (Category 2B) GHS Label information: Hazard statement(s): H303: May be harmful if swallowed. H315: Causes skin irritation. H320: Causes eye irritation.	Precautionary statement(s): P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P361+P364: Take off immediately all contaminated clothing and wash it before reuse. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P312: Call a POISON CENTER or doctor if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition	/ Information on Ingredients			
Chemical Name	CAS #	%	EINECS	
Water Calcium nitrate, tetrahydrate Non-hazardous proprietary ingredients	7732-18-5 13477-34-4 Undisclosed	89.4% 10.0% 0.6%	231-791-2 233-332-1 Undisclosed	
Section 4 First Aid Meas	sures			

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Calcium nitrate	None established	None established	None established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9					
Section 9	Physical & Chemical Pro	perties			
pH: Data not av Melting / Freezing Boiling point: A	: Data not available.	Evaporation rate (Water = 1): <1 Flammability (solid/gas): Data not ava Explosion limits: Lower / Upper: Dat Vapor pressure (mm Hg): 14 (water) Vapor density (Air = 1): 0.7 (water) Relative density (Specific gravity): Approx Solubility(ies): Complete in water.	ta not available	Viscosity: Data not ava Molecular formula: Mix	ure: Data not available ature: Data not available. ilable. tture
Section 10	Stability & Reactivity				
Chemical stabi Conditions to a	lity: Stable void: Excessive temperatures to c	Hazardous polymerization: Wil ause evaporation.	ll not occur.		
Incompatible m	aterials: Ammonia, hydrozine and	other reducing agents.			
Hazardous dec	omposition products: Nitrogen or	ides.			
Section 11	Toxicological Information	I			
Respiratory or Germ cell muta Carcinogenity: NTP: No compo IARC: No compo OSHA: No comp Reproductive to STOT-single ex	onent of this product present at leve conent of this product present at leve oxicity: Data not available posure: Data not available exposure: Data not available		d as probable, pos	sible or confirmed human c	arcinogen by IARC.
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Section 1

Chemical Product and Company Identification

Page E1 of E2 CHEMTREC 24 Hour Emergency USA

Innovating Science[®] by Aldon Corporation

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Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

Product SIMULATED BLOOD, TYPE AB+	
Synonyms Simulated Blood, Type AB Positive/ Suspect 2: Blood Evidence	
Section 2 Hazards Identification	
 Signal word: WARNING Pictograms: GHS07 Target organs: Blood GHS Classification: Acute toxicity, oral (Category 5) Skin irritation (Category 2) Eye irritation (Category 2A) GHS Label information: Hazard statement(s): H303: May be harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. 	Precautionary statement(s): P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P362+P364: Take off contaminated clothing and wash it before reuse. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. P312: Call a POISON CENTER or doctor if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Information	n on Ingredients		
Chemical Name	CAS #	%	EINECS
Water Calcium nitrate, tetrahydrate Aluminum nitrate, nonahydrate Non-hazardous proprietary ingredients	7732-18-5 13477-34-4 7784-27-2 Undisclosed	80.1% 10.0% 9.3% 0.6%	231-791-2 233-332-1 236-751-8 (anhydrous CAS # 13473-90-0) Undisclosed

Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Calcium nitrate	None established	None established	None established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9						
	Physical & Chemical Pro	operties				
pH: Data not a Melting / Freezing Boiling point:	r. d: Data not available.	Vapor pressure (mm H Vapor density (Air = 1	as): Data not available. ver / Upper: Data not available Hg): 14 (water)): 0.7 (water) : gravity): Approximately 1.0 (water	Auto-ignitio Decomposit Viscosity: [Molecular fo	•	: Data not available Ire: Data not available. ble. re
Section 10	Stability & Reactivity					
Chemical stab Conditions to	ility: Stable avoid: Excessive temperatures to		merization: Will not occur.			
Incompatible r	materials: Ammonia, hydrozine an	d other reducing agents.				
Hazardous de	composition products: Nitrogen of	oxides.				
Section 11	Toxicological Information	n				
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Section 1

Chemical Product and Company Identification

Page E1 of E2 CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300

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221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

Product	SIMULATED BLOOD, TYPE O-	
Synonyms	Simulated Blood, Type O Negative/ Suspect 3: Blood Evidence	
Section 2	Hazards Identification	
to the Globa Chemicals. Signal word Pictograms: Target organ GHS Classif GHS Label i	nce or mixture has not been classified as hazardous according ally Harmonized System (GHS) of Classification and Labeling of : None required ns: None known fication: None required nformation: Hazard statement: None required ry statement: None required	Supplemental information: Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / Information	on on Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Non-hazardous pr	oprietary ingredients	7732-18-5 Undisclosed	>99% <1%	231-791-2 Undisclosed	
Section 4	First Aid Measures		1		

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	No components listed	None established	None established	None established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical & Chemical Proper						
pH: Data not ava Melting / Freezing p	Data not available. ilable. ioint: Approximately 0°C (32°F) (water) poroximately 100°C (212°F) (water)	Flammability Explosion lim Vapor pressur Vapor density Relative density	ate (Water = 1): <1 (solid/gas): Data not its: Lower / Upper: I re (mm Hg): 14 (wate (Air = 1): 0.7 (water) (Specific gravity): App : Complete in water.	Data not available r)	Auto-igniti Decompos Viscosity: Molecular f	•	e: Data not available ure: Data not available. ble. re
Section 10	Stability & Reactivity						
Chemical stabili Conditions to av	ity: Stable void: Excessive temperatures to caus		ous polymerization:	Will not occur.			
	aterials: Strong oxidizers and reducin	•					
Hazardous deco	omposition products: Carbon oxides	, nitrogen oxid	es, sulfur oxides.				
Section 11	Toxicological Information						
Germ cell mutag Carcinogenity: NTP: No compor IARC: No compor OSHA: No compo Reproductive to STOT-single ext STOT-repeated	skin sensitization: Data not available genicity: Data not available Data not available nent of this product present at levels genent of this product present at levels go onent of this product present at levels positiv: Data not available exposure: Data not available etposure: Data not available rd: Data not available	reater than or e greater than or	equal to 0.1% is identi	ified as probable, pos	sible or confirm	med human card	
Potential health Inhalation: May I Ingestion: May b Skin: Repeated Eyes: Contact m Signs and symp not available. Ex		r knowledge th mize potential		and toxicological prop	erties have no	t been thorough	lly investigated. Specific data
Potential health Inhalation: May I Ingestion: May b Skin: Repeated Eyes: Contact m Signs and symp not available. Ex	effects: be harmful if inhaled. be harmful if swallowed. or prolonged contact with skin may ca hay cause irritation. otoms of exposure: To the best of ou cercise appropriate procedures to mini	r knowledge th mize potential		and toxicological prop	erties have no	t been thorough	ily investigated. Specific data
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Potential health Inhalation: May b Skin: Repeated Eyes: Contact m Signs and symp not available. Ex- Additional inform Section 12 Toxicity to fish: Toxicity to fish: Toxicity to algae Persistence and Mobility in soil: Other adverse er Section 13 These disposal regulations may Section 14 UN/NA numbe Hazard class: Exceptions: I Section 15 A chemical is consid	effects: be harmful if inhaled. be harmful if swallowed. or prolonged contact with skin may can aay cause irritation. btoms of exposure: To the best of ou ercise appropriate procedures to mini mation: RTECS #: Data not availabl Ecological Information No data available nia and other aquatic invertebrates be degradability: No data available I degradability: No data available ffects: An environmental hazard can Disposal Considerations guidelines are intended for the dis be different. Dispose of in accord Transport Information (US I r: Not applicable Not applicable Not applicable Regulatory Information	r knowledge th mize potential e : No data avail Bioaccum PBT and v not be exclude sposal of cata dance with all DOT / CANAI ng name: N g group: N RG Guide #	hazards. able PvB assessment: No PvB assessment: No d in the event of unpro log-size quantities o local, state and fed DA TDG) lot Regulated ot applicable Not applicable	data available o data available fessional handling or nly. Federal regula eral regulations or o	disposal. tions may ap contract with	oply to empty c a licensed che	container. State and/or loc emical disposal agency.

dent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

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Section 1

Chemical Product and Company Identification

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CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300

1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

Product	SIMULATED ANTI-SERUM ANTI-A	
Synonyms	Simulated Anti-A Serum / Anti-A Serum	
Section 2	Hazards Identification	
Pictograms Target orga GHS Classi Eye irritation GHS Label		Precautionary statement: P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Informa	tion on Ingredients			
Chemical Name	CAS #	%	EINECS	
Water Sodium salicylate FD&C Blue #1 (C.I. No. 42090)	7732-18-5 54-21-7 3844-45-9	91.99% 8.00% 0.001%	231-791-2 200-198-0 223-339-8	
Section 4 First Aid Measures				

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 **Fire Fighting Measures**

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Light sensitive.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Sodium salicylate	Not established	Not established	Not established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.							
Section 9	Physical & Chemical Pro	perties					
	ata not available. ble. : Approximately 0°C (32°F) (water) ximately 100°C (212°F) (water)	Flammability (Explosion limi Vapor pressur Vapor density Relative density	ate (Water = 1): <1 solid/gas): Data not ts: Lower / Upper: e (mm Hg): 14 (water (Air = 1): 0.7 (water) (Specific gravity): App : Complete in water.	Data not available er)	Auto-igniti Decompos Viscosity: Molecular		: Data not available Ire: Data not available. ble. re
Section 10	Stability & Reactivity						
Chemical stability: Conditions to avoid	Stable : Excessive temperatures which		us polymerization: ion. Protect from ligh				
Incompatible mater	ials: Strong oxidizers, strong a	cids.					
Hazardous decomp	osition products: Carbon oxid	des, sodium oxide	S.				
Section 11	Toxicological Information	l					
Serious eye damag Respiratory or skin Germ cell mutageni Carcinogenity: Dat NTP: No component IARC: No componen OSHA: No componen Ca Prop 65: This pro Reproductive toxici STOT-single exposit STOT-repeated exp Aspiration hazard: Potential health effe Inhalation: Not expe Ingestion: May be ha Skin: Contact cause Eyes: Contact may of Signs and symptom not available. Exerci Additional informat	of this product present at levels t of this product present at level nt of this product present at level duct does not contain any cher ity: Data not available ure: Data not available Data not available Data not available acts: cted to be a health hazard. armful by ingestion. s irritation. ause irritation. ns of exposure: To the best of se appropriate procedures to m ion: RTECS #: VO5075000 [S	ble s greater than or e ls greater than or els greater than o nicals known to th our knowledge th ninimize potential	equal to 0.1% is ident equal to 0.1% is iden e State of California t e chemical, physical a	ified as probable, pos tified as a carcinoger o cause cancer or rep	ssible or confir n or potential c productive toxi	med human card arcinogen by OS city.	
Section 12	Ecological Information						
Toxicity to daphnia Toxicity to algae: No Persistence and deg Mobility in soil: No Other adverse effec Section 13 These disposal gui	gradability: No data available data available ts: An environmental hazard c Disposal Considerations	Bioaccume Bioaccume PBT and vi annot be excluded disposal of cata ordance with all	able Ilative potential: No PvB assessment: No d in the event of unpro log-size quantities of local, state and fed	data available o data available ofessional handling or only. Federal regula	ations may a		container. State and/or local emical disposal agency.
UN/NA number: Hazard class: No Exceptions: Not	ot applicable Pack	ping name: N king group: N BERG Guide #	ot applicable	Reportable Qua	ntity: No	Ma	arine pollutant: No
Section 15	Regulatory Information						
	d to be listed if the CAS number for		-		Del	NDO	CA D=== 65
Compone Sodium salicylate	สแ	Listed	CERLCA (RQ) Not listed	RCRA code Not listed	DSL Listed	NDSL Not listed	CA Prop 65 This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.
Section 16	Other Information						
The information contain dent determinations of s	ed herein is furnished without warra	mation from all sour	ces to assure proper use	of these materials and	the safety and h	ealth of employees	ered by them and must make indepen- s. NTP: National Toxicology Program,

GENERAL STORAGE CODE GREEN

Page E1 of E2

Section 1

Chemical Product and Company Identification

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SIMULATED ANTI-SERUM ANTI-B Product Synonyms Simulated Anti-B Serum / Anti-B Serum Section 2 **Hazards Identification** This substance or mixture has not been classified as hazardous according Supplemental information: to the Globally Harmonized System (GHS) of Classification and Labeling of Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands Chemicals. thoroughly after handling. Get medical attention if you feel unwell. Signal word: None required Pictograms: No symbol required Target organs: None known GHS Classification: None required GHS Label information: Hazard statement: None required Precautionary statement: None required

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(585) 226-6177

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Sodium sulfate FD&C Yellow #5 (C.I	I. No. 19140)	7732-18-5 7757-82-6 1934-21-0	84.992% 15.000% 0.008%	231-791-2 231-820-9 217-699-5	
Section 4	First Aid Measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE TRANSIENT IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY CAUSE TRANSIENT IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7	Handling & Storage	Page E2 of E2
Precautions for Safe	e Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of childre	en. Avoid
contact with eyes, ski	in and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Rei	move and wash

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	on 8 Exposure Controls / Personal Protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Sodium sulfate	None established.	None established.	None established.		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9 Physical & Chemical Prop	perties	
Appearance: Liquid. Clear yellow. Odor: No odor. Odor threshold: Data not available. pH: Data not available Melting / Freezing point: Approximately 0°C (32°F) (water) Boiling point: Approximately 100°C (212°F) (water) Flash point: Data not available	Evaporation rate (Water = 1): <1 Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): 14 (water) Vapor density (Air = 1): 0.7 (water) Relative density (Specific gravity): Approximately 1.0 (water) Solubility(ies): Complete in water.	Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Mixture Molecular weight: Mixture
Section 10 Stability & Reactivity		

Chemical stability: Stable

clothing before reuse.

Hazardous polymerization: Will not occur.

Conditions to avoid: Excessive temperatures which cause evaporation.

Incompatibilities with other materials: Molten active metals, including aluminum and magnesium, acids.

Hazardous decomposition products: Oxides of sulfur.

Section 11 Toxicological Information

Acute toxicity: Oral-rat | D50: >10 000 mg/kg Skin corrosion/irritation: Data not available Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: May be harmful if inhaled. Ingestion: May be harmful if swallowed. Skin: May cause mild irritation. Eyes: May cause mild irritation. Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards. Additional information: RTECS #: No data available Section 12 **Ecological Information** Toxicity to fish: Gambusia affinis (Fish, fresh water) LC50: 120 mg/l/96 hours [Sodium sulfate] Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Crustacea) EC50: 630 mg/l/96 hours [Sodium sulfate] Toxicity to algae: Chlorella pyrenoidosa (Algae) EC199: 57,700 mg/l/8 days [Sodium sulfate] Persistence and degradability: No data available Bioaccumulative potential: No data available PBT and vPvB assessment: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Section 13 **Disposal Considerations** These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Transport Information (US DOT / CANADA TDG) Section 14 UN/NA number: Not applicable Shipping name: Not Regulated Hazard class: Not applicable Packing group: Not applicable Reportable Quantity: No Marine pollutant: No 2016 ERG Guide # Not applicable Exceptions: Not applicable Section 15 **Regulatory Information** A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. DSL NDSL Component TSCA CERLCA (RQ) RCRA code CA Prop 65 This product does not contain Sodium sulfate Listed Not listed Not listed Listed Not listed any chemicals known to the State of California to cause cancer or reproductive toxicity. Section 16 **Other Information** The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure,

ERG: Emergency Response Guidebook Form 06/2015

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Section 1

Chemical Product and Company Identification

Innovating Science[®] by Aldon Corporation

"cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300

1 703-741-5500 (from anywhere in the world). For laboratory and industrial use only. Not for drug, food or household use.

Product	SIMULATED ANTI-SERUM ANTI-RH	
Synonyms	Simulated Anti-Rh Serum / Anti-Rh Serum	
Section 2	Hazards Identification	
Pictograms Target orga GHS Class Eye irritation GHS Label		Precautionary statement: P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Sodium salicylate		7732-18-5 54-21-7	92.00% 8.00%	231-791-2 200-198-0	
Section 4	First Aid Measures				

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Light sensitive. Protect from light.

Section 8	Exposure Controls / Personal Protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Linius.	Sodium salicylate	Not established	Not established	Not established			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical & Chemica	al Properties					
Appearance: Cle Odor: No odor. Odor threshold: I pH: Data not avail Melting / Freezing poi	ear liquid Data not available. lable. int: Approximately 0°C (32°F) (w. roximately 100°C (212°F) (wa	Attention of the second	tte (Water = 1): <1 solid/gas): Data not ts: Lower / Upper: e (mm Hg): 14 (water (Air = 1): 0.7 (water (Specific gravity): App Complete in water.	Data not available er)	Auto-igniti Decompos Viscosity: Molecular		: Data not available Ire: Data not available. ble. re
Section 10	Stability & Reactivit	r y					
Chemical stability Conditions to avo	 r: Stable id: Excessive temperature 		us polymerization: ion. Light sensitive.	Will not occur.			
Incompatible mat	erials: Strong oxidizers, st	trong acids.					
Hazardous decom	nposition products: Carb	on oxides, sodium oxide	S.				
Section 11	Toxicological Inform	nation					
Germ cell mutage Carcinogenity: D NTP: No compone IARC: No compone OSHA: No compore Ca Prop 65: This p Reproductive tox STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Inhalation: May be Ingestion: Harmful Skin: Prolonged ce Eyes: Causes seri Signs and symptt not available. Exe Additional inform	nt of this product present a ent of this product present a nent of this product present roduct does not contain an icity : Data not available sposure : Data not available ffects : a harmful if inhaled. May ca l if swallowed. ontact may cause irritation ious eye irritation. oms of exposure : To the l rcise appropriate procedure ation: RTECS # : VO5075	at levels greater than or e at levels greater than or t at levels greater than or ny chemicals known to the le ause respiratory tract irrit and/or defatting of skin. best of our knowledge th es to minimize potential h 5000 [Sodium salicylate]	equal to 0.1% is iden equal to 0.1% is iden e State of California t ation. e chemical, physical	iffed as probable, pos tiffied as a carcinoger o cause cancer or rep	ssible or confir n or potential c roductive toxi	med human carc arcinogen by OS city.	
Section 12	Ecological Informati	ion					
Toxicity to daphni Toxicity to algae: Persistence and d Mobility in soil: N Other adverse effe	legradability: No data ava lo data available ects: An environmental ha	rtebrates: No data availa ailable Bioaccumu PBT and vF azard cannot be excluded	able Ilative potential: No PvB assessment: N	data available o data available	disposal.		
Section 13	Disposal Considera				tione		ontoinon Otata and/auto
	be different. Dispose of		local, state and feo				ontainer. State and/or loc emical disposal agency.
UN/NA number: Hazard class: N Exceptions: N	ot applicable	Shipping name: N Packing group: No 2016 ERG Guide #	ot applicable	Reportable Qua	ntity: No	Ma	arine pollutant: No
Section 15	Regulatory Informat						
	red to be listed if the CAS num	nber for the anhydrous form		DCDA and	DSL	NDO	CA Prop 65
A chemical is conside					1151	NDSL	
		Listed	CERLCA (RQ) Not listed	RCRA code Not listed	Listed	Not listed	This product does not contain any chemicals known to the Sta of California to cause cancer or reproductive toxicity.