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Section 1

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 Phone Number (800) 424-9300

For laboratory and industrial use only. Not for drug, food or household use.

Product SIMULATED BLOOD, TYPE A+	
Synonyms Simulated Blood, Type A Positive / Donor #1	
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 Co	omposition / information on	ingredients		
Chemical Name		CAS #	%	EINECS
Water Aluminum nitrate, nonahy Food Coloring	/drate	7732-18-5 7784-27-2 Mixture	90.1% 9.3% 0.6%	231-791-2 236-751-8 (anhydrous CAS # 13473-90-0) Mixture
Section 4 Fi	rst 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 prot	ection		
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	Physical and chemica	properties					
pH: Data not ava Melting / Freezing p	Data not available. ailable. oint: Approximately 0°C (32°F) (water oproximately 100°C (212°F) (water	Flammability (Explosion limi Vapor pressur Vapor density Relative density	ate (Water = 1): <1 solid/gas): Data not a tts: Lower / Upper: D e (mm Hg): 14 (water (Air = 1): 0.7 (water) (Specific gravity): Appr : Complete in water.	Data not available r)	Auto-ignitio Decomposit Viscosity: [Molecular fo	•	e: Data not available ure: Data not available. ble. re
Section 10	Stability and reactivity						
Chemical stabili Conditions to av	ty: Stable /oid: Excessive temperatures t		us polymerization: \	Will not occur.			
Incompatible ma	aterials: Reducing agents, orga	anic materials.					
Hazardous deco	mposition products: Nitroger	n oxides.					
Section 11	Toxicological informat	ion					
Respiratory or s Germ cell mutag Carcinogenity: NTP: No compon IARC: No compon OSHA: No compo Reproductive to STOT-single exp	nage/irritation: Data not availa skin sensitization: Data not availa genicity: Data not available Data not available lent of this product present at le nent of this product present at l onent of this product present at xicity: Data not available	ailable vels greater than or e evels greater than or o	equal to 0.1% is identi	fied as probable, poss	sible or confirm	ed human card	0,
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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.

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Product SIMULATED BLOOD, TYPE B-	
Synonyms Simulated Blood, Type B Negative / Donor #2	
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 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:

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Section 3 Composition / inform	nation on ingredients			
Chemical Name	CAS #	%	EINECS	
Water Calcium nitrate, tetrahydrate Food Coloring	7732-18-5 13477-34-4 Mixture	89.4% 10.0% 0.6%	231-791-2 233-332-1 Mixture	
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.

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Exposure Linits.	Calcium nitrate	None established	None established	None established

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Section 9	Physical and chemical	properties				
pH: Data not av Melting / Freezing	: Data not available. vailable. point: Approximately 0°C (32°F) (water) pproximately 100°C (212°F) (water)	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 r)	•	temperature on temperatu ita not availal mula: Mixtu	e: Data not available ure: Data not available. ble. re
Section 10	Stability and reactivity					
Chemical stabil Conditions to a	lity: Stable void: Excessive temperatures to	Hazardous polymerization: cause evaporation.	Will not occur.			
Incompatible m	aterials: Ammonia, hydrozine an	d other reducing agents.				
Hazardous dec	omposition products: Nitrogen	oxides.				
Section 11	Toxicological information	on				
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 lev ponent of this product present at le oxicity: Data not available posure: Data not available		ified as probable, poss	ible or confirme	d human car	0 ,
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Aspiration haza Potential health Inhalation: May Ingestion: May Skin: Contact Signs and sym not available. E Additional infor Section 12 Toxicity to fish: Toxicity to daph Toxicity to adaph Toxicity to adaph To	ard: Data not available n effects: be harmful if inhaled. be harmful if swallowed. with skin may cause irritation. eye i	minimize potential hazards. rate: EW3000000 ates: No data available e Bioaccumulative potential: No PBT and vPvB assessment: No cannot be excluded in the event of unpro- s e disposal of catalog-size quantities of coordance with all local, state and fed pping name: Not Regulated cking group: Not applicable 16 ERG Guide # Not applicable	data available o data available fessional handling or d only. Federal regulati eral regulations or co	iisposal. ions may apply ontract with a i	y to empty c	container. State and/or loca

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.

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Product SIMULATED BLOOD, TYPE AB+	
Synonyms Simulated Blood, Type AB Positive / Donor #3	
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 on	ingredients		
Chemical Name		CAS #	%	EINECS
Water Calcium nitrate, tetrah Aluminum nitrate, non Food Coloring		7732-18-5 13477-34-4 7784-27-2 Mixture	80.1% 10.0% 9.3% 0.6%	231-791-2 233-332-1 236-751-8 (anhydrous CAS # 13473-90-0) Mixture

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 prot	ection		
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.

approved respira							
Section 9	Physical and chemical	properties					
pH: Data not available Melting / Freezing p	: Data not available. ailable. point: Approximately 0°C (32°F) (water) pproximately 100°C (212°F) (water)	Flammability (Explosion limi Vapor pressur Vapor density Relative density	ate (Water = 1): <1 solid/gas): Data not a ts: Lower / Upper: D e (mm Hg): 14 (water (Air = 1): 0.7 (water) (Specific gravity): Appr : Complete in water.	Data not available r)	Auto-ignitio Decomposi Viscosity: Molecular f	•	e: Data not available ure: Data not available. ble. re
Section 10	Stability and reactivity						
Chemical stabili Conditions to av	ity: Stable void: Excessive temperatures to		us polymerization: V	Will not occur.			
	aterials: Ammonia, hydrozine ar	•	ents.				
Hazardous deco	omposition products: Nitrogen	oxides.					
Section 11	Toxicological information	on					
Germ cell mutag Carcinogenity: NTP: No compor IARC: No compo OSHA: No compo Reproductive to	skin sensitization: Data not ava genicity: Data not available Data not available nent of this product present at lev onent of this product present at le ionent of this product present at le oxicity: Data not available	els greater than or e vels greater than or o	equal to 0.1% is identif	fied as probable, pos	sible or confirm	ned human car	0,
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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.

GENERAL STORAGE CODE GREEN

Section 1

Identification

Page E1 of E2

Innovating Science[®] by Aldon Corporation

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Product	SIMULATED BLOOD, TYPE O-					
Synonyms	Simulated Blood, Type O Negative / Donor #4					
Section 2	2 Hazards identification					
to the Glob Chemicals. Signal word Pictograms Target orga GHS Class GHS Label	ance or mixture has not been classified as hazardous according ally Harmonized System (GHS) of Classification and Labeling of d: None required s: No symbol required uns: None known ification: None required information: Hazard statement: None required ary 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	ingredients			
Chemical Name		CAS #	%	EINECS	
Water Food Coloring		7732-18-5 Mixture	>99% 0.6%	231-791-2 Mixture	
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: 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 prot	ection		
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 and chemical pro	perties				
pH: Data not av Melting / Freezing p	: Data not available. vailable. point: Approximately 0°C (32°F) (water) pproximately 100°C (212°F) (water)	Vapor pressure (mm Ho Vapor density (Air = 1):): Data not available. r / Upper: Data not available i): 14 (water) 0.7 (water) ravity): Approximately 1.0 (wate	Auto-ignitic Decomposi Viscosity: I Molecular fe		e: Data not available ure: Data not available. ble. re
Section 10	Stability and reactivity					
Chemical stabili Conditions to av	ity: Stable void: Excessive temperatures to cau		erization: Will not occur.			
Incompatible m	aterials: Strong oxidizers and reduci	ng agents may destroy co	lor.			
Hazardous deco	omposition products: Carbon oxide	s, nitrogen oxides, sulfur o	oxides.			
Section 11	Toxicological information					
Respiratory or s Germ cell mutag Carcinogenity: NTP: No compor IARC: No compor OSHA: No compor Reproductive to STOT-single exp	mage/irritation: Data not available skin sensitization: Data not availabl genicity: Data not available Data not available nent of this product present at levels g onent of this product present at levels bonent of this product present at levels bonent of this product present at levels boxicity: Data not available posure: Data not available exposure: Data not available	reater than or equal to 0. greater than or equal to 0	.1% is identified as probable, po	ssible or confirn	ned human card	0 1
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Potential health Inhalation: May Ingestion: May b Skin: Repeated Eyes: Contact m Signs and symp not available. Ex Additional infor Section 12 Toxicity to fish: Toxicity to daph Toxicity to daph Toxicity to daph Toxicity to daph Toxicity to daph Toxicity to daph Toxicity to algac Persistence and Mobility in soil: Other adverse e Section 13 These disposal regulations may Section 14 UN/NA numbe Hazard class: Exceptions:	ard: Data not available n effects: be harmful if inhaled. or prolonged contact with skin may can nay cause irritation. ptoms of exposure: To the best of o xercise appropriate procedures to min rmation: RTECS #: Data not available Ecological information No data available nia and other aquatic invertebrates e: No data available degradability: No data available No data available effects: An environmental hazard can Disposal considerations I guidelines are intended for the di y be different. Dispose of in accor Transport information er: Not applicable Not applicable Packir Not applicable 2016 E	ur knowledge the chemica imize potential hazards. le Bioaccumulative po PBT and vPvB asse not be excluded in the ev sposal of catalog-size of dance with all local, sta ng name: Not Regul ig group: Not applica RG Guide # Not applica a anhydrous form is on the Ir	tential: No data available ssment: No data available ent of unprofessional handling o quantities only. Federal regu te and federal regulations or ated able Reportable O icable ventory list.	r disposal. ations may ap contract with a tuantity: No	ply to empty c a licensed che Ma	container. State and/or loc emical disposal agency. arine pollutant: No
Potential health Inhalation: May Ingestion: May b Skin: Repeated Eyes: Contact m Signs and symp not available. Ex Additional infor Section 12 Toxicity to fish: Toxicity to daph Toxicity to daph	ard: Data not available n effects: be harmful if inhaled. or prolonged contact with skin may can nay cause irritation. ptoms of exposure: To the best of o xercise appropriate procedures to min mation: RTECS #: Data not available Ecological information No data available nia and other aquatic invertebrates e: No data available degradability: No data available No data available of data available ffects: An environmental hazard can Disposal considerations I guidelines are intended for the di y be different. Dispose of in accor Transport information er: Not applicable Not applicable Regulatory information	Ir knowledge the chemica imize potential hazards. le Bioaccumulative po PBT and vPvB asses not be excluded in the ev sposal of catalog-size of dance with all local, sta ng name: Not Regul g group: Not applica RG Guide # Not applica RG Guide # Not applica	tential: No data available ssment: No data available ent of unprofessional handling o quantities only. Federal regul te and federal regulations or ated able Reportable O icable	r disposal. ations may ap contract with a	ply to empty c a licensed che	container. State and/or loc emical disposal agency.

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.

GENERAL STORAGE CODE GREEN

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Section 1

Product

Identification

Innovating Science[®] by Aldon Corporation

"cutting edge science for the classroom"

SIMULATED ANTI-SERUM ANTI-A

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory and industrial use only. Not for drug, food or household use.

Synonyms Simulated Anti-A Serum / Anti-A Serum	
Section 2 Hazards identification	
Signal word: WARNING Pictograms: No symbol required Target organs: Liver	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.
GHS Classification: Eye irritation (Category 2B)	P337+P313: If eye irritation persists: Get medical attention.
GHS Label information: Hazard statement: H320: Causes 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 o	n 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 prot	ection		
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.

Section 9	Dhusiaal and shamiaa						
Annearance	Physical and chemical iquid. Clear blue.		ate (Water = 1): <1		Dartition o	oefficient: Data	
Odor: No odor. Odor threshold pH: Data not av Melting / Freezing (Data not available. railable. point: Approximately 0°C (32°F) (water pproximately 100°C (212°F) (water 	Flammability (Explosion limi Vapor pressur Vapor density Relative density	solid/gas): Data not its: Lower / Upper: e (mm Hg): 14 (wate (Air = 1): 0.7 (water)	Data not available er)	Auto-igniti Decompos Viscosity: Molecular	on temperature	: Data not available Ire: Data not available. ble. e
Section 10	Stability and reactivity						
Chemical stabil Conditions to a	ity: Stable void: Excessive temperatures v		ous polymerization: ion. Protect from ligh				
incompatible m	aterials: Strong oxidizers, stror	ıg acids.					
Hazardous deco	omposition products: Carbon	oxides, sodium oxide	S.				
Section 11	Toxicological informat	ion					
Germ cell muta Carcinogenity: NTP: No compo IARC: No compo OSHA: No comp Ca Prop 65: This Reproductive to STOT-single ex STOT-repeated Aspiration haza Potential health Inhalation: Not el Ingestion: May I Skin: Contact ca Eyes: Contact no Signs and sym not available. El Additional infor	expected to be a health hazard. be harmful by ingestion. auses irritation. nay cause irritation. ptoms of exposure: To the best xercise appropriate procedures to rmation: RTECS #: VO507500	vels greater than or e evels greater than or levels greater than o hemicals known to th t of our knowledge th o minimize potential 0 [Sodium salicylate]	equal to 0.1% is ident r equal to 0.1% is iden e State of California t e chemical, physical a hazards.	ified as probable, pos tified as a carcinogen o cause cancer or rep	sible or confir or potential c roductive toxi	med human carc arcinogen by OS city.	SHA.
Section 12	Ecological information	l					
	LC50 - Pimephales promelas (athead minnow) - 1,3	370 ma/l - 96 h [Sodiu				
Toxicity to daph Toxicity to algae Persistence and Mobility in soil:	nnia and other aquatic invertel e: No data available d degradability: No data availa No data available effects: An environmental hazar	ble Bioaccumu PBT and vi	able ulative potential: No PvB assessment: No	data available o data available	disposal.		
Toxicity to daph Toxicity to alga Persistence and Mobility in soil: Other adverse e	e: No data available I degradability: No data availa No data available	ble Bioaccumu PBT and vi d cannot be excluded	able ulative potential: No PvB assessment: No	data available o data available	disposal.		
Toxicity to daph Toxicity to algar Persistence and Mobility in soil: Other adverse of Section 13 These disposal regulations ma	e: No data available d degradability: No data availa No data available ffects: An environmental hazar	ble Bioaccumu PBT and vi d cannot be excluded ns he disposal of cata accordance with all	able Jlative potential: No PvB assessment: No d in the event of unpro log-size quantities of	data available o data available ofessional handling or only. Federal regula	tions may a		
Toxicity to daph Toxicity to alga Persistence and Mobility in soil: Other adverse of Section 13 These disposal regulations ma Section 14 UN/NA numbe Hazard class: Exceptions:	e: No data available d degradability: No data availa No data available fffects: An environmental hazar Disposal consideratio I guidelines are intended for t y be different. Dispose of in a Transport information er: Not applicable Not applicable Not applicable 20	ble Bioaccum PBT and vi d cannot be excluded ns he disposal of cata accordance with all hipping name: N acking group: No 016 ERG Guide #	able Ilative potential: No PvB assessment: No d in the event of unpro- log-size quantities of local, state and fed lot Regulated ot applicable	data available o data available ofessional handling or only. Federal regula	tions may a contract with	a licensed che	
Toxicity to daph Toxicity to alga Persistence and Mobility in soil: Other adverse of Section 13 These disposal regulations ma Section 14 UN/NA numbe Hazard class: Exceptions: Section 15	e: No data available d degradability: No data availa No data available offects: An environmental hazar Disposal consideratio I guidelines are intended for t y be different. Dispose of in a Transport information or: Not applicable Pa Not applicable Pa Not applicable 20 Regulatory information	ble Bioaccum PBT and vi d cannot be excluded ns he disposal of cata accordance with all hipping name: N acking group: No 016 ERG Guide #	able Ilative potential: No PvB assessment: No d in the event of unpro- log-size quantities of local, state and fed lot Regulated ot applicable Not applicable	data available o data available ofessional handling or only. Federal regula eral regulations or o	tions may a contract with	a licensed che	mical disposal agency.
Toxicity to daph Toxicity to alga Persistence and Mobility in soil: Other adverse of Section 13 These disposal regulations ma Section 14 UN/NA numbe Hazard class: Exceptions: Section 15 A chemical is consi	e: No data available d degradability: No data availa No data available offects: An environmental hazar Disposal consideratio I guidelines are intended for t y be different. Dispose of in a Transport information or: Not applicable Pa Not applicable Pa Not applicable 20 Regulatory information dered to be listed if the CAS number	ble Bioaccum PBT and vi d cannot be excluded ns he disposal of cata accordance with all hipping name: N acking group: No 016 ERG Guide # n	able Ilative potential: No PvB assessment: No d in the event of unpro- log-size quantities of local, state and fed lot Regulated ot applicable Not applicable is on the Inventory list.	data available o data available ofessional handling or only. Federal regula eral regulations or o Reportable Quar	tions may ap contract with ntity: No	a licensed che Ma	mical disposal agency.
Toxicity to daph Toxicity to algae Persistence and Mobility in soil: Other adverse of Section 13 These disposal regulations ma Section 14 UN/NA numbe Hazard class: Exceptions: Section 15 A chemical is consi	e: No data available d degradability: No data availa No data available offects: An environmental hazar Disposal consideratio I guidelines are intended for t y be different. Dispose of in a Transport information or: Not applicable Si Not applicable Pa Not applicable Pa Not applicable 20 Regulatory information dered to be listed if the CAS number conent	ble Bioaccum PBT and vi d cannot be excluded ns he disposal of cata accordance with all hipping name: N acking group: No 016 ERG Guide #	able Ilative potential: No PvB assessment: No d in the event of unpro- log-size quantities of local, state and fed lot Regulated ot applicable Not applicable	data available o data available ofessional handling or only. Federal regula eral regulations or o	tions may a contract with	a licensed che	mical disposal agency.

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Section 1

Identification

Innovating Science[®] by Aldon Corporation

221 Rochester Street Avon, NY 14414-9409

CHEMTREC 24 Hour Emergency

Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.

ິດເ	utting edge science for the class	room" (585) 226-6	177	
Product	SIMULATED ANTI-SERUM ANTI-B			
Synonyms	Simulated Anti-B Serum / Anti-B Serum			
Section 2	Hazards identification			
This substa to the Globa Chemicals. Signal word Pictograms: Target orga GHS Classif GHS Label i Precautiona	nce or mixture has not been classified as illy Harmonized System (GHS) of Classifie : None required ns: None known fication: None required nformation: Hazard statement: None requ ry statement: None required	cation and Labeling of	Do not brea protective g	tal information: the mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear loves/protective clothing/eye protection/face protection. Wash hands after handling. Get medical attention if you feel unwell.
	ot otherwise classified: rds not otherwise classified (HHNOC) - Not	Known	1	
	ards not otherwise classified (PHNOC) - Not			
Section 3	Composition / information on			
Chemical Nan	10	CAS #	%	EINECS

Chemical Name	CAS #	%	EINECS	
Water Sodium sulfate FD&C Yellow #5 (C.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.

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 prot	ection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	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 and chemical pro	operties						
	Data not available. able nt: Approximately 0°C (32°F) (water) roximately 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): Appi : Complete in water.	Data not available r)	Auto-igniti Decompos Viscosity: Molecular 1	•	: Data not availab re: Data not availa le.	
Section 10	Stability and reactivity							
Incompatibilities	r: Stable id: Excessive temperatures which with other materials: Molten action position products: Oxides of su	h cause evapora ve metals, inclue						
	iposition products. Oxides of st	inur.						
Section 11	Toxicological information							
Germ cell mutage Carcinogenity: D NTP: No compone IARC: No compone OSHA: No compor Reproductive tox STOT-single expo STOT-repeated ex Aspiration hazard Potential health e Indestion: May be Skin: May cause r Eyes: May cause Signs and sympto not available. Exe	nt of this product present at levels ent of this product present at levels nent of this product present at level icity: Data not available sure: Data not available cposure: Data not available l: Data not available ffects: harmful if inhaled. harmful if swallowed. nild irritation.	greater than or o s greater than or ls greater than o bur knowledge the nimize potential	equal to 0.1% is ident r equal to 0.1% is iden ne chemical, physical a	fied as probable, pos tified as a carcinogen	sible or confir or potential c	med human carc arcinogen by OS	SHA.	pecific data is
Section 12	Ecological information							
Toxicity to daphni Toxicity to algae: Persistence and c Mobility in soil: N	ambusia affinis (Fish, fresh water a and other aquatic invertebrate Chlorella pyrenoidosa (Algae) EC legradability: No data available lo data available ects: An environmental hazard ca	es: Daphnia mag 199: 57,700 mg/ Bioaccum PBT and v	na (Crustacea) EC50: //8 days [Sodium sulfat ulative potential: No PvB assessment: No	630 mg/l/96 hours [S e] data available data available]		
Section 13	Disposal considerations							
These disposal g regulations may l	uidelines are intended for the c be different. Dispose of in acco							
These disposal g	uidelines are intended for the c							
These disposal g regulations may a Section 14 UN/NA number: Hazard class: 1 Exceptions: N	uidelines are intended for the operative different. Dispose of in accommendation Transport information Not applicable Shipp Not applicable Pack ot applicable 2016	ordance with all bing name: N ing group: N	l local, state and fed Not Regulated		contract with	a licensed che		gency.
These disposal g regulations may a Section 14 UN/NA number: Hazard class: N Exceptions: N Section 15	uidelines are intended for the operative different. Dispose of in accomposition Transport information Not applicable Shipp Not applicable Pack ot applicable 2016 Regulatory information	ordance with al bing name: N ing group: N ERG Guide #	l local, state and fed lot Regulated lot applicable Not applicable	eral regulations or c	contract with	a licensed che	mical disposal a	gency.
These disposal g regulations may a Section 14 UN/NA number: Hazard class: N Exceptions: N Section 15	uidelines are intended for the constant of the	ordance with al bing name: N ing group: N ERG Guide #	l local, state and fed lot Regulated lot applicable Not applicable	eral regulations or c	contract with	a licensed che	mical disposal a	gency. No

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

Identification

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221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

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	
Signal word: WARNING Pictograms: No symbol required Target organs: Liver GHS Classification: Eye irritation (Category 2B) GHS Label information: Hazard statement: H320: Causes eye irritation.	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 prot	ection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits.	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.

	r.							
Section 9	Physical and chem	ical properties						
	Data not available. able. nt: Approximately 0°C (32°F) (ν roximately 100°C (212°F) (w	vater) Relative densit	rate (Water = 1): <1 (solid/gas): Data noi nits: Lower / Upper: ure (mm Hg): 14 (wate y (Air = 1): 0.7 (water ty (Specific gravity): App s): Complete in water.	Data not available er))	Auto-igniti Decompos Viscosity: Molecular	•	e: Data not available u re: Data not availal ble. re	
Section 10	Stability and reactive	vity						
	id: Excessive temperatur	es which cause evapor	lous polymerization: ation. Light sensitive.	Will not occur.				
•	erials: Strong oxidizers, s	0						
Hazardous decom	position products: Carb	oon oxides, sodium oxic	les.					
Section 11	Toxicological inform	mation						
Germ cell mutage Carcinogenity: Da NTP: No componer IARC: No componer OSHA: No compon Ca Prop 65: This pir Reproductive toxi STOT-single expo STOT-repeated ex	n sensitization: Data no nicity: Data not available ata not available nt of this product present a ent of this product present ent of this product presen roduct does not contain ar city: Data not available sure: Data not available posure: Data not available	at levels greater than or at levels greater than o t at levels greater than t at levels greater than ny chemicals known to	r equal to 0.1% is iden or equal to 0.1% is iden	tified as probable, po ntified as a carcinoge	ssible or confir n or potential o	med human card carcinogen by OS		
Potential health ef Inhalation: May be Ingestion: Harmful Skin: Prolonged cc Eyes: Causes serie Signs and sympto not available. Exer	harmful if inhaled. May c if swallowed. ontact may cause irritation ous eye irritation. oms of exposure: To the cise appropriate procedur	ause respiratory tract in and/or defatting of skir best of our knowledge res to minimize potentia	n. the chemical, physical I hazards.	and toxicological proț	perties have no	ot been thorough	nly investigated. Spe	ecific data
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IARC: International Agency for Research ERG: Emergency Response Guidebook.

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